

## A63B

**APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT (apparatus for passive exercising, massage [A61H](#))**

### Definition statement

*This subclass covers:*

Gymnastic or exercising apparatus:

- Horizontal or parallel bars, balance beams, tightropes or similar apparatus;
- Apparatus for jumping e.g. pole-vaulting poles, spring-boards, trampolines, high-jump apparatus, skipping-ropes;
- Mats for absorbing the shock of landing, e.g. in pole-vaulting;
- Freely-suspended apparatus e.g. swinging rings, trapezes, climbing-ropes;
- Climbing poles, frames or stages, clubs, hoop exercising apparatus;
- Fitness devices, exercising apparatuses for ACTIVE exercising ([A63B 21/00-A63B 24/00](#)).
- Climbing or mountaineering apparatus, including apparatus for climbing trees or poles.
- Swimming aids or equipment, e.g. fins, flippers, goggles.
- Balls for ball games including:
- Balls;
- Balls with special arrangements e.g. handles or eccentric centres of gravity (e.g. in bowling balls); and
- Apparatus or methods for manufacturing balls or for handling or treating them, e.g. cleaning.
- Rackets, bats or other striking implements for ball games, e.g. tennis rackets and similar, golf clubs, baseball bats, cricket bats, hockey sticks.
- Accessories for golf and other ball games.
- Targets or goals for ball games; tennis and similar nets and accessories therefore.
- Implements for throwing, e.g. darts, javelins, spears, throwing-hammers, boomerangs, discus discs, quoits, juggling clubs.
- Miscellaneous sporting games, e.g. miniature golf, juggling, curling, badminton, shuttlecock or like games, games using a hockey puck; projectiles for these games which do not fall into the above category of balls for ball games.

- Training appliances for particular sports, e.g. for fencing, riding, skiing, rowing, punching-balls for boxing, golf swing trainers, artificial mountain slopes.
- Other games or sports accessories, e.g. indicating or scoring devices, body protectors.

### Relationship between large subject matter areas

Skates, skis and their bindings, roller skates, skateboards and the design or layout of playing-courts, rinks	<a href="#">A63C</a>
Bowling-alleys, bowling-games and equipment for bowls	<a href="#">A63D</a>
Amusement arrangements	<a href="#">A63G</a>
Toys	<a href="#">A63H</a>
Racing, riding sports and equipment therefore	<a href="#">A63K</a>
Balls, working of plastics or substances in a plastic state	<a href="#">B29</a>
Balls, chemical or compositional aspects for golf balls	<a href="#">C08L</a>
Data Management	<a href="#">G06Q</a>
Virtual trainers	<a href="#">G06F 19/3481</a>
Learning a movement	<a href="#">G09B 19/003</a>

### References relevant to classification in this subclass

*This subclass does not cover:*

Protective equipment in the form of clothing or garments for sporting purposes	<a href="#">A41D 13/00</a>
Uses of garments specially adapted for sport activities	<a href="#">A41D 2600/10</a>
In the form of caps or hats	<a href="#">A42B 1/08</a>
Helmets	<a href="#">A42B 3/00</a>
Measuring muscular strength for diagnostic purposes	<a href="#">A61B 5/22</a>
Apparatus for passive exercising or massage	<a href="#">A61H</a>
Video games	<a href="#">A63F 13/00</a>
Manufacturing sport articles	<a href="#">B21K 17/00</a>
Unicycles	<a href="#">B62K 1/00</a>
Bicycles	<a href="#">B62K 3/00</a>
Vessels or like floating structures for pleasure or sport	<a href="#">B63B 35/71</a> , <a href="#">B63B 35/73</a>

Life-saving in water	<a href="#">B63C 9/00</a>
Breathing aids for swimming, e.g. snorkels	<a href="#">B63C 11/12</a>
Divers' sleds or like craft	<a href="#">B63C 11/46</a>
Exercising for producing mechanical power	<a href="#">F03G 5/00</a>
Archers' finger tabs	<b>F41B5/16</b>
Traps for clay-pigeon targets	<a href="#">F41J 9/18</a>
Controlling member being movable by hand, e.g. joystick	<b>G05G6/047</b>
Simulators for training	<a href="#">G09B 9/00</a>
Devices for exercising or strengthening of fingers or arms in teaching music	<a href="#">G09B 15/06</a>
Teaching repetitive work cycles; Sequence of movements	<b>G06B19/00E</b>
Prescription of physical exercise, e.g. virtual trainers	<a href="#">G06F 19/3481</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Connecting valves to inflatable elastic bodies	<a href="#">B60C 29/00</a>
Training of parachutists	<a href="#">B64D 23/00</a>
Throwing weapons	<a href="#">F41B</a>
E.g. sling-weapons	<a href="#">F41B 3/00</a>
Stop watches	<a href="#">G04F</a>
PDA - Personal Assistance Device	<a href="#">G06F 1/1626</a>
Timing devices	<a href="#">G07C</a>
Signal device with lights	<a href="#">G08B 5/36</a>
Displaying or advertising	<a href="#">G09F</a>

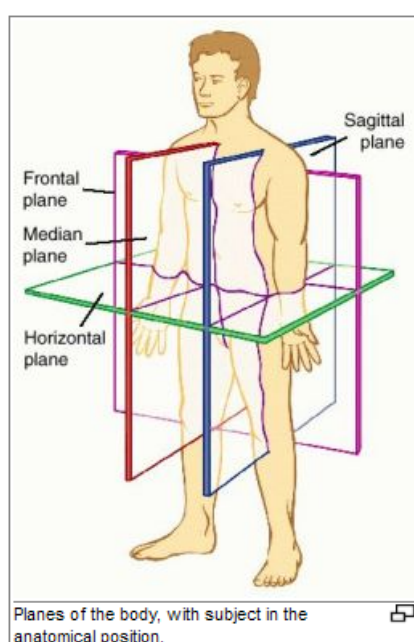
## Glossary of terms

*In this subclass, the following terms (or expressions) are used with the meaning indicated:*

Support element	an apparatus element for supporting a body part during exercising, e.g. a handle for the hand, a seat for the buttocks;
Handle	a support element for a single hand or arm (upper limb);

Pedal	a support element for a single foot or leg (lower limb);
Steps	support elements for lower limbs;
Band	a continuous support element for upper or lower limbs, used at undetermined, variable places during exercising;
Platform	a support element of an exercising apparatus, used for any body part, e.g. for both feet

### Body planes



<http://medical-dictionary.tfd.com/plane>

### Synonyms and Keywords

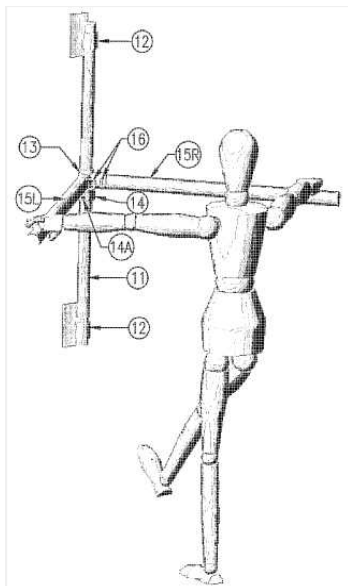
*In patent documents the following expression "the body-symmetrical plane" is often used as a synonyms of "midsagittal plane or median plane".*

## A63B 1/00

### Horizontal bars

#### Definition statement

*This group covers:*



WO2006031372

#### References relevant to classification in this group

*This group does not cover:*

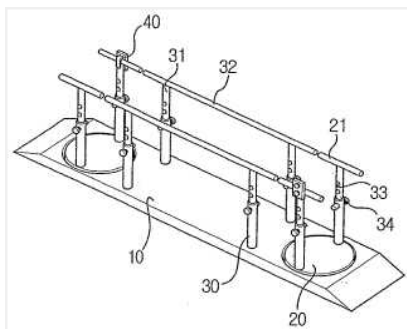
Athletic hurdles	<a href="#">A63K 3/043</a>
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## A63B 3/00

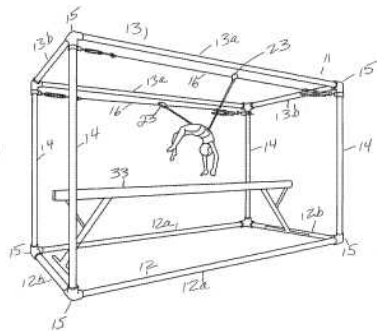
### Parallel bars or similar apparatus

#### Definition statement

*This group covers:*



WO2007001122

**A63B 4/00****Balance beams****Definition statement***This group covers:*

US2006270523

**References relevant to classification in this group***This group does not cover:*

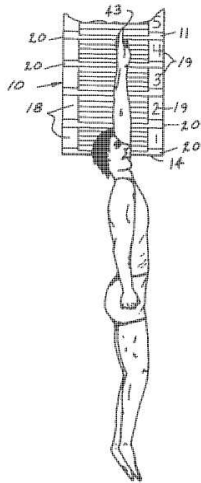
Rope dancing	<a href="#">A63B 7/08</a>
Other apparatus for improving balance	<a href="#">A63B 26/003</a>

**A63B 5/00**

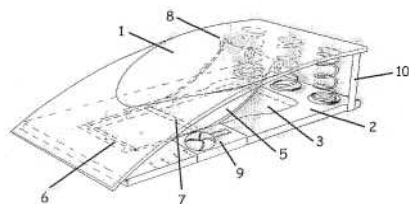
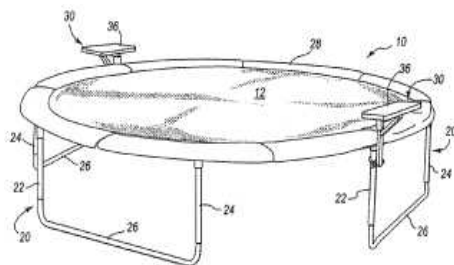
**Apparatus for jumping (mats for jumping [A63B 6/00](#) ; for racing or riding sports, e.g. hurdles [A63K](#))**

## Definition statement

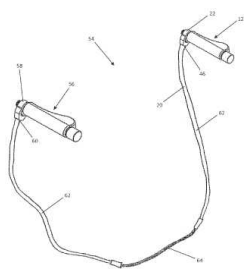
*This group covers:*



US4323234



US2004235620



US2011077133

### References relevant to classification in this group

*This group does not cover:*

Mats for jumping	<a href="#">A63B 6/00</a>
Planes mounted on springs for playing	<a href="#">A63G 31/14</a>
Bungee jumping	<a href="#">A63G 31/00</a>
Devices for racing or riding sports, e.g. hurdles	<a href="#">A63K</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

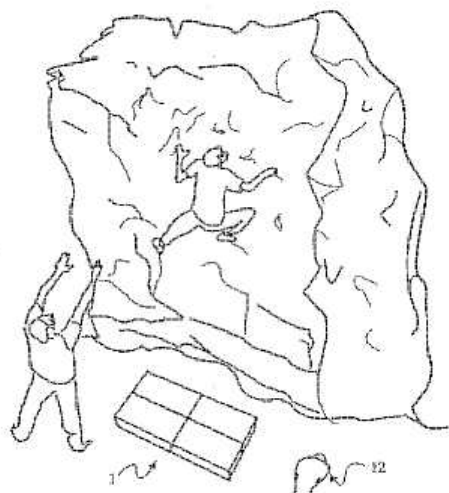
Mats or carpets for courts	<a href="#">A63C 19/04</a>
Connections of rods or tubes	<a href="#">F16B 7/00</a>
Elastic means are coded under	<a href="#">A63B 21/02</a>
General features for injury prevention in sport apparatuses	<a href="#">A63B 71/0054</a>
Backstops, cages, enclosures or the like	<a href="#">A63B 71/022</a>
Floating apparatus	<a href="#">A63B 2225/605</a>
Inflatable	<a href="#">A63B 2225/62</a>
Space saving arrangements, e.g. foldable or collapsible	<a href="#">A63B 2210/00</a>
Apparatus for multiple users	<a href="#">A63B 2225/10</a>

## A63B 6/00

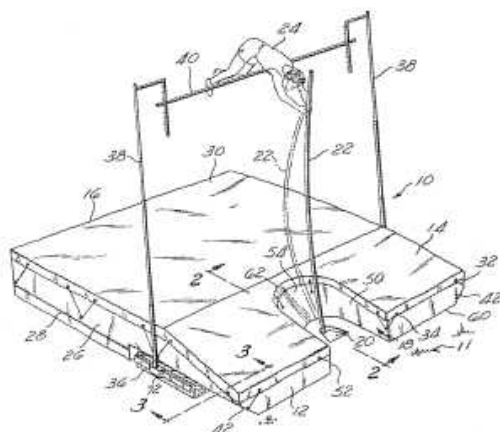
Mats or the like for absorbing shocks for jumping, gymnastics or the like{(for jogging on the spot [A63B 69/0035](#) ; resiliently-mounted floors [E04F 15/22](#))}

### Definition statement

*This group covers:*



FR2857878



US4245838

### References relevant to classification in this group

*This group does not cover:*

Mats for golf practice	<a href="#">A63B 69/3661</a>
small and/or yoga mats	<a href="#">A63B 21/1473</a>
Mats for jogging on the spot	<a href="#">A63B 69/0035</a>

Mats or carpets for courts	<a href="#">A63C 19/04</a>
resiliently-mounted floors	<a href="#">E04F 15/22</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

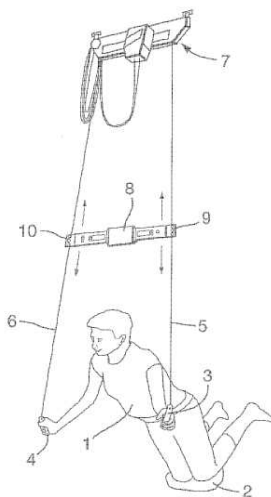
Pavings for sport grounds	<a href="#">E01C 13/00</a>
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## A63B 7/00

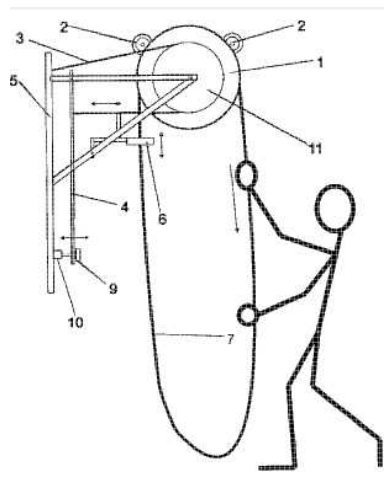
### Freely-suspended gymnastic apparatus

## Definition statement

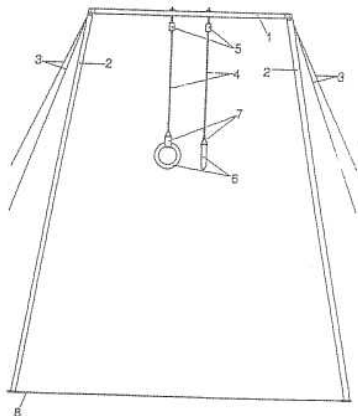
This group covers:



WO2008085058



DE102009012127



WO9108800

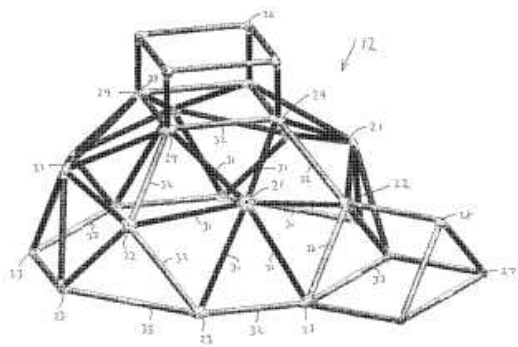
**A63B 9/00**

Climbing poles, frames, or stages{(climbing walls for mountaineering training [A63B 69/0048](#) ; endless loop ladders [A63B 22/04](#))}

**Definition statement**

*This group covers:*

- Poles on a flexible support;
- Rope networks;
- Grids.



WO2006079182

**References relevant to classification in this group**

*This group does not cover:*

Climbing walls for mountaineering training	<a href="#">A63B 69/0048</a>
Endless loop ladders	<a href="#">A63B 22/04</a>

Playhouses, play-tents, big enough for playing inside	<a href="#">A63H 33/008</a>
Playgrounds	<a href="#">A63G 31/00</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

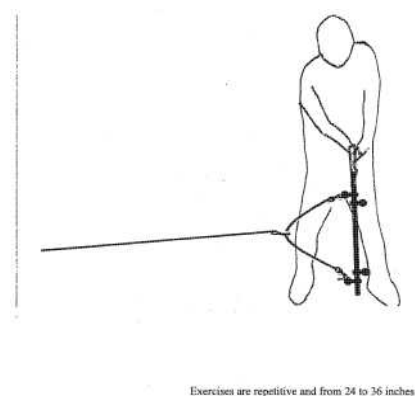
Flat climbing nets	<a href="#">A63B 2009/002</a>
Three-dimensional rope or cable networks	<a href="#">A63B 2009/004</a>
With water spraying means	<a href="#">A63B 2009/008</a>
Games or sport accessories for large room or outdoor sporting games	<a href="#">A63B 71/02</a>
used in water	<a href="#">A63B 2225/60</a>
inflatable	<a href="#">A63B 2225/62</a>
Planes mounted on springs	<a href="#">A63G 31/14</a>
Means for fastening cables	<a href="#">F16G 11/00</a>

## A63B 15/00

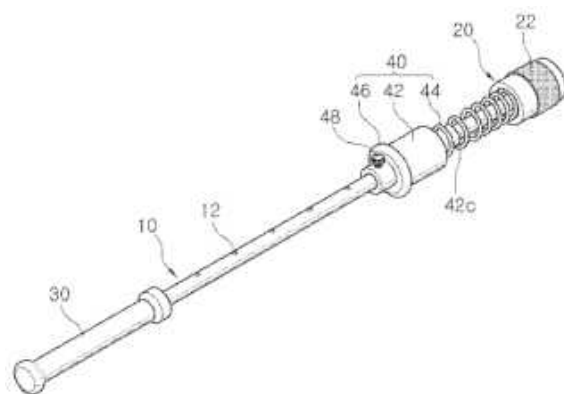
**Clubs,{e.g. for swinging exercises}**

## Definition statement

*This group covers:*



US2008242436



US2011034275

Resistances to the movement of the club are classified in [A63B 21/00](#).

### References relevant to classification in this group

*This group does not cover:*

Regular golf clubs with weights attached for training	<a href="#">A63B 69/3638</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

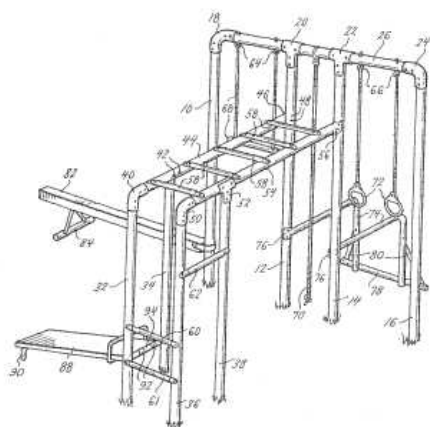
Substantially flexible shaft	<a href="#">A63B 2059/0081</a>
Telescopic shaft	<a href="#">A63B 2059/0085</a>

## A63B 17/00

Exercising apparatus combining several parts such as ladders, rods, beams, slides

### Definition statement

*This group covers:*



US4278250

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Used in water	<a href="#">A63B 2225/60</a>
Space saving	<a href="#">A63B 2210/00</a>

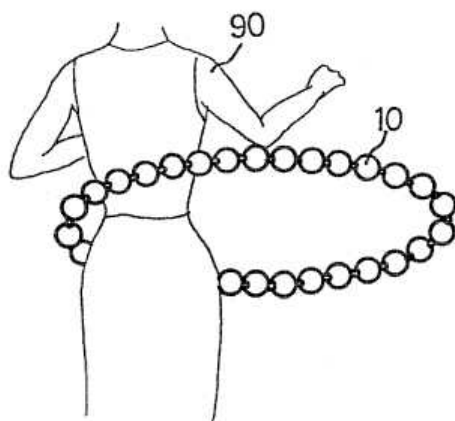
## A63B 19/00

Hoop exercising apparatus{(A63B 21/0608 takes precedence; not driven by the user, e.g. motor driven, [A63G 29/00](#) , [A63G 31/00](#))}

### Definition statement

*This group covers:*

Non eccentric hoop exercisers (e.g. Hula hoops).



US5492526

### References relevant to classification in this group

*This group does not cover:*

Eccentric weights put into orbital motion by nutating movement of the user	<a href="#">A63B 21/0608</a>
Rolling drums	<a href="#">A63G 29/00</a>
Hoop movement apparatuses not driven by the user, e.g. motor driven	<a href="#">A63G 31/00</a> <a href="#">A63G 31/00</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

used in water	<a href="#">A63B 2225/60</a>
inflatable	<a href="#">A63B 2225/62</a>
space saving	<a href="#">A63B 2210/00</a>

## A63B 21/00

**Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (electric or electronic controls therefor [A63B 24/00](#) ; measuring muscular strength [A61B 5/22](#))**

### Definition statement

*This group covers:*

This main group covers the construction features of the apparatuses for ACTIVE exercising

### References relevant to classification in this group

*This group does not cover:*

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

Use for cardio-vascular, agility or coordination	<a href="#">A63B 22/00</a>
Use of the apparatus for strength training	<a href="#">A63B 23/00</a>
Electric or electronic control	<a href="#">A63B 24/00</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>
Sensors	<a href="#">A63B 2220/00</a>
Position of the user during training	<a href="#">A63B 2208/00</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

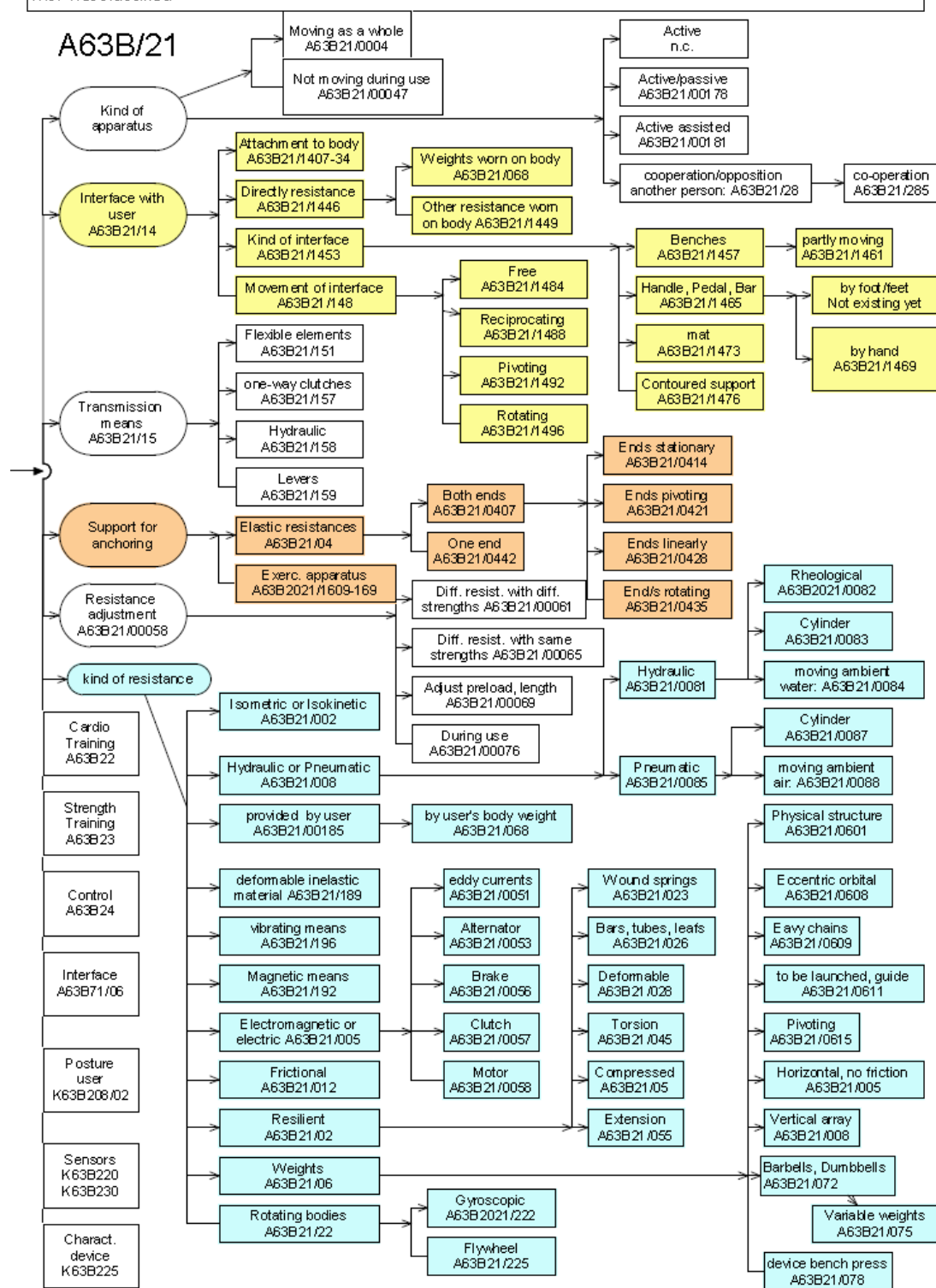
Measuring muscular strength	<a href="#">A61B 5/22</a>
Electric or electronic controls therefore	<a href="#">A63B 24/00</a>
Space saving, e.g. collapsible	<a href="#">A63B 2210/00</a>
Multi station exercising machines	<a href="#">A63B 2225/105</a>

### Special rules of classification within this group

- Force transmission means: [A63B 21/15](#) , [A63B 21/00003](#);
- kind of resistance of fitness devices: [A63B 21/00189](#) , [A63B 21/00192](#) , [A63B 21/00196](#) , [A63B 21/005](#) - [A63B 21/078](#), [A63B 21/22](#);

- Interface with the user: [A63B 21/00079](#) , **A63B21/12**, [A63B 21/00134](#) , **A63B21/26**, [A63B 21/28](#), [A63B 21/00043](#) ;
- Supports for anchoring force resistors: [A63B 21/04](#), [A63B 21/16](#).

This chart contains ca. half of the classes in A63B21, it is meant to help a classifier to find the main classes. For the complete classification please refer to Scheme and definitions.  
n.c.=not classified



## A63B 21/0004

{Exercise device moving as a whole during exercise, bar bells and dumb bells [A63B 21/072](#) t.p., on wheels [A63B 22/20](#)}

### References relevant to classification in this group

*This subgroup does not cover:*

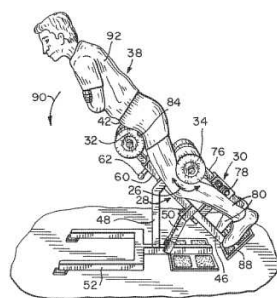
Weight worn on user's body	<a href="#">A63B 21/065</a>
Resisting device worn on user's body	<a href="#">A63B 21/1449</a>
Weights moving upon horizontal plane	<a href="#">A63B 21/0618</a>
Free weights, Dumbbells and Barbells	<a href="#">A63B 21/072</a>
Moving as a whole on wheel	<a href="#">A63B 22/20</a>

## A63B 21/00047

Exercise device not moving during use, benches [A63B 21/00087](#) t.p., isometric exercising [A63B 21/0023](#) , step exerciser [A63B 23/0458](#) t.p., walk exerciser [A63B 23/0464](#) t.p.]

### Definition statement

*This subgroup covers:*



US6287244

### References relevant to classification in this group

*This subgroup does not cover:*

Support for the head or the back	<a href="#">A47C 7/36</a>
Exercising device moving as a whole during use	<a href="#">A63B 21/0004</a>
Benches	<a href="#">A63B 21/1457</a>
Step exercisers without moving parts	<a href="#">A63B 23/0458</a>
Walk exercisers without moving parts	<a href="#">A63B 23/0464</a>

**A63B 21/00058**

{Mechanical means for variation of the resistance ([A63B 21/06](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Variation of the resistance for weight resistance	<a href="#">A63B 21/06</a>
Electronic variation of resistance	<a href="#">A63B 24/00</a>

**A63B 21/00178**

{Apparatus for active exercising which can be used also for passive exercising}

**References relevant to classification in this group**

*This subgroup does not cover:*

Apparatus for passive exercising	<a href="#">A61H 1/00</a>
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**A63B 21/00181**

{Apparatus comprising additional means assisting the user to overcome part of the resisting force, i.e. assisted-active exercising}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Isokinetic exercising	<a href="#">A63B 2021/0026</a>
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**A63B 21/00185**

{Resistance force provided by the user himself, e.g. exercising one body part against a resistance provided by another body part ([A63B 21/068](#) takes precedence; isometric exercise [A63B 21/0023](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Using user's body weight	<a href="#">A63B 21/068</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Isometric exercising	<a href="#">A63B 21/0023</a>
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**A63B 21/00189**

{Resistance provided by deformable materials having no elasticity, e.g. lead bars, kneadable masses}

**References relevant to classification in this group**

*This subgroup does not cover:*

Elastic materials with internal friction	<a href="#">A63B 21/028</a>
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**A63B 21/00192**

{Resistance force provided by magnetic means ([A63B 21/005](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Electromagnetic means	<a href="#">A63B 21/005</a>
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**A63B 21/00196**

{Pulsed counterforce; e.g. vibrating resistance means  
([A61H 1/005](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Passive vibrating platform	<a href="#">A61H 1/005</a>
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**A63B 21/002**

isometric or isokinetic, i.e. substantial force variation without substantial muscle motion {or wherein the speed of the motion is independent of the force applied by the user}

**Glossary of terms**

*In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

Isometric exercise	a type of strength training in which the joint angle and muscle length do not change during contraction;
Isokinetic exercise	dynamic muscle activity performed at a constant angular velocity; torque and tension remain constant while muscles shorten or lengthen;
Isotonic exercise	active exercise without appreciable change in the force of muscular contraction, with shortening of the muscle.

**A63B 21/005**

using electromagnetic or electric force-resisters

**References relevant to classification in this group**

*This subgroup does not cover:*

Details of magnetic circuit	<a href="#">H02K 1/24</a>
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**A63B 21/0051**

{using eddy-currents induced in moved elements, e.g. by permanent magnets}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Eddy-current type dynamo-electric brakes	<a href="#">H02K 49/04</a>
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**A63B 21/0053**

{using an alternator or a dynamo}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Producing mechanical power from muscles	<a href="#">F03G 5/00</a>
Distribution network	<a href="#">H02J 3/008</a>

**A63B 21/008**

using hydraulic or pneumatic force-resisters {not used, see subgroups}

**References relevant to classification in this group**

*This subgroup does not cover:*

Hydraulic transmissions	<a href="#">A63B 21/158</a>
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**A63B 21/012**

using frictional force-resisters {(electromagnetically-controlled brakes [A63B 21/0056](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

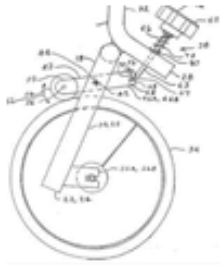
Electromagnetic controlled friction brakes	<a href="#">A63B 21/0056</a>
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## A63B 21/0125

{with surfaces rolling against each other without substantial slip}

### Definition statement

*This subgroup covers:*



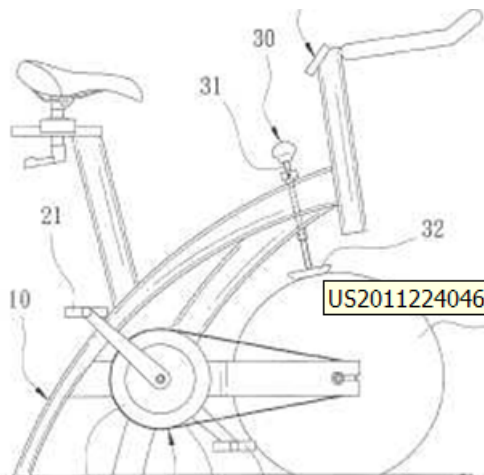
US2004248700

## A63B 21/015

including rotating or oscillating elements {rubbing against fixed elements}

### Definition statement

*This subgroup covers:*



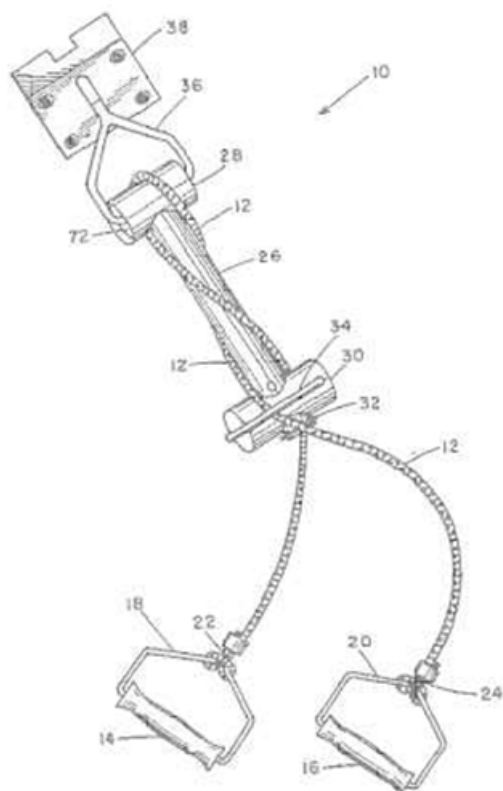
US2011224046

## A63B 21/018

including a rope {or other flexible element} moving relative to the surface of elements

### Definition statement

*This subgroup covers:*



US4560160

## A63B 21/02

using resilient force-resisters

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Support for anchoring non-resilient force resistors	<a href="#">A63B 21/16</a>
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## A63B 21/06

### User-manipulated weights

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Benches for exercising	<a href="#">A63B 21/1457</a>
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## A63B 21/14

### {Details of the interface with the user related to strength training}

#### Definition statement

*This subgroup covers:*

The interface of the user with the exercising apparatus.

#### References relevant to classification in this group

*This subgroup does not cover:*

Protective clothing or garments for sporting purposes	<a href="#">A41D 13/00</a>
Weights worn on user's body	<a href="#">A63B 21/065</a>
Resisting devices worn on the body	<b>K63B21/18</b>
Exercising belts with resisting devices	<b>A63B21/26</b>
with signalling or indicating means, e.g. of incorrect posture	<a href="#">A63B 23/0244</a>
Body protectors for players or sportsmen, e.g. gloves	<a href="#">A63B 71/08</a>

## A63B 21/15

### {Special force transmissions therefor}

#### Definition statement

*This subgroup covers:*

Transmission means between the resistance means and the interface with the user.

**A63B 21/16****Supports for anchoring force-resisters****Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Fastening household utensils to tables, walls or the like	<a href="#">A47G 29/087</a>
Freely suspended gymnastic apparatus	<a href="#">A63B 7/00</a>
Supports for resilient resistors	<a href="#">A63B 21/04</a>

**A63B 21/22**

**Resisting devices with rotary bodies,{e.g. by overcoming gyroscopic forces([A63B 21/0608](#) takes precedence)}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Eccentric weights put into orbital motion by the user	<a href="#">A63B 21/0608</a>
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**A63B 21/28****Devices for two persons operating in opposition****Definition statement**

*This subgroup covers:*

Also two persons operating in co-operation

**References relevant to classification in this group**

*This subgroup does not cover:*

Resistance force provided by the user himself	<a href="#">A63B 21/00185</a>
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## A63B 22/00

Exercising apparatus specially adapted for conditioning the cardio-vascular system, for training agility or co-ordination of movements (force-resisting aspects [A63B 21/00](#) ; { for particular parts of the body, e.g. to strengthen particular limbs or muscles [A63B 23/00](#) ; } electric or electronic controls therefor [A63B 24/00](#))

### References relevant to classification in this group

*This group does not cover:*

Passive stretching or bending	<a href="#">A61H 1/02</a>
Use of the apparatus for strength training	<a href="#">A63B 23/00</a>

### Special rules of classification within this group

The use of exercising apparatuses for ACTIVE physical training for cardio vascular, agility or coordination.

Within [A63B 22/00](#) the main different aspects to be classified are:

which limbs ([A63B 22/0002](#)); movement-path direction ([A63B 2022/0028](#));

combination of movements ([A63B 2022/0033](#)-[A63B 2022/0043](#)); Adjustability of path ([A63B 22/0015](#)); kind of path ([A63B 22/0048](#)-[A63B 22/20](#)).

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

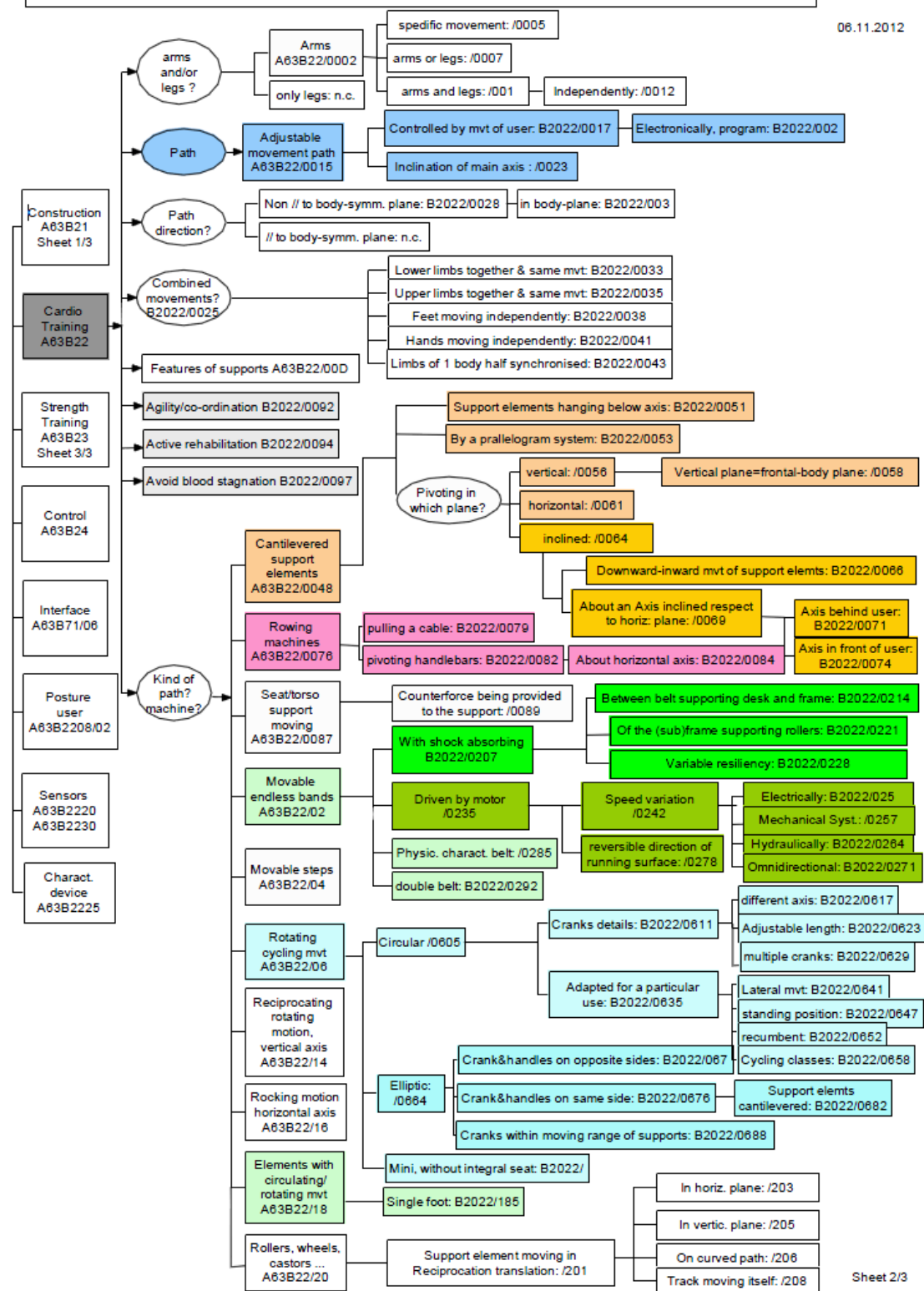
Construction features of an exercise apparatus	<a href="#">A63B 21/00</a>
Electric or electronic control	<a href="#">A63B 24/00</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>
Sensors	<a href="#">A63B 2220/00</a>

## Position of the user during training

A63B 2208/00

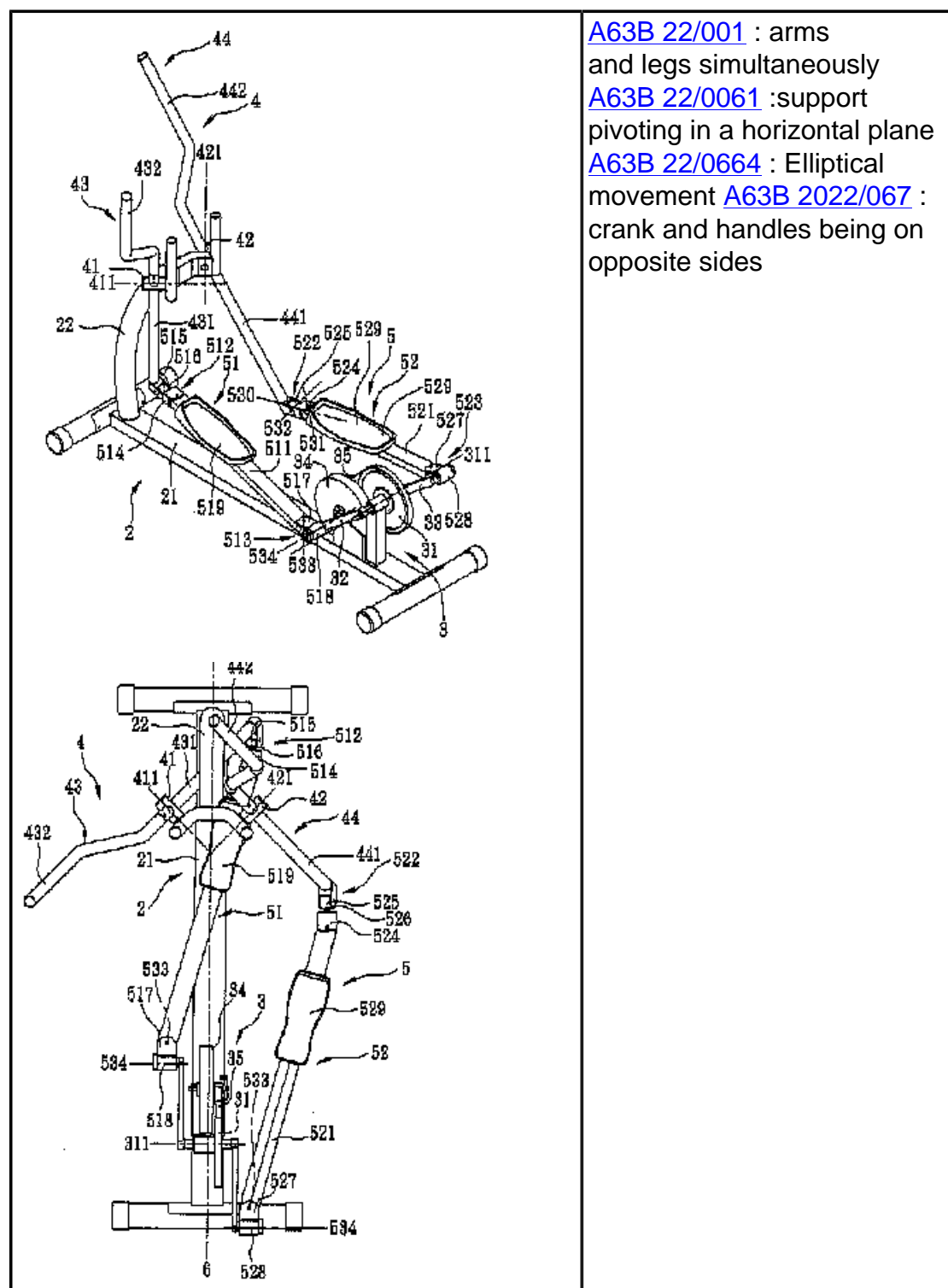
This chart is meant to help a classifier to find the main classes. For the complete classification please refer to Scheme and Definitions.  
NOTE: n.c.= not classified

06.11.2012



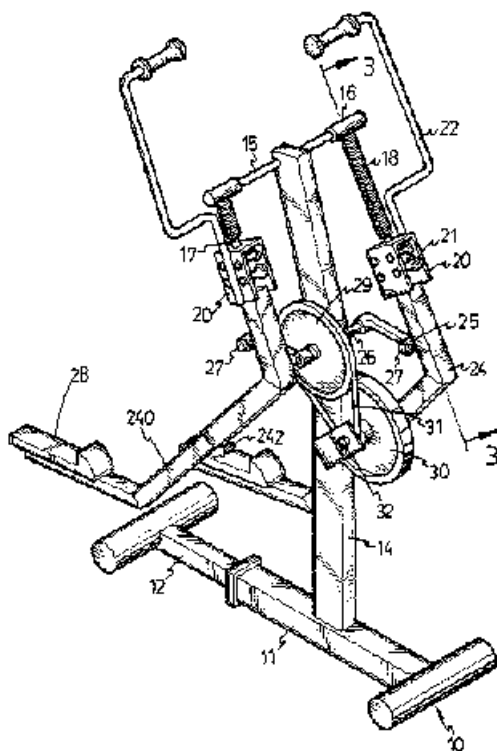
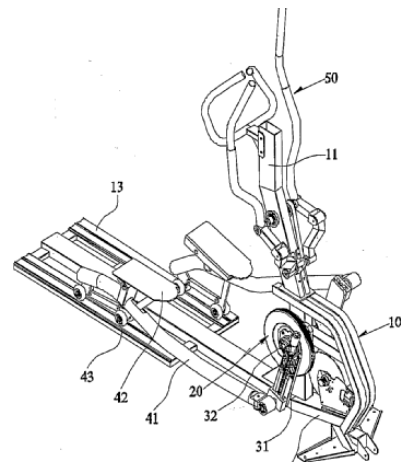
Sheet 2/3

Examples in subject matters classify in this group



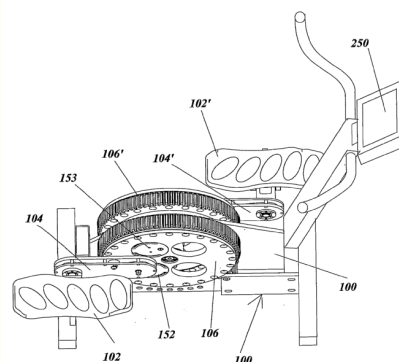
[A63B 22/001](#) : arms  
and legs simultaneously  
[A63B 22/0061](#) :support  
pivoting in a horizontal plane  
[A63B 22/0664](#) : Elliptical  
movement [A63B 2022/067](#) :  
crank and handles being on  
opposite sides

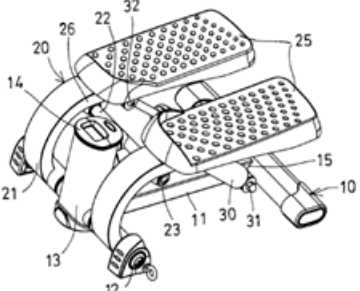
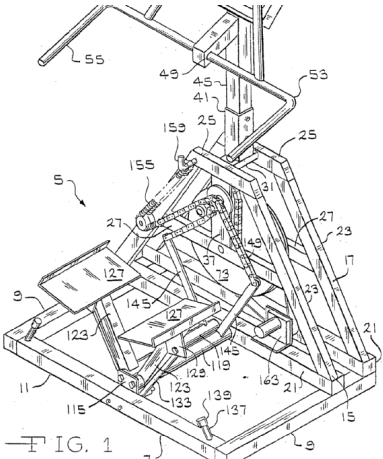
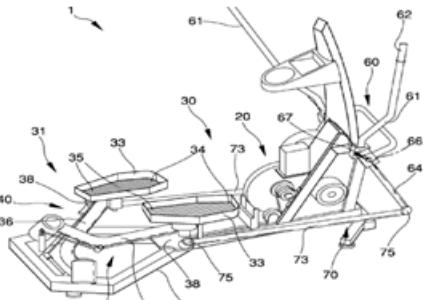
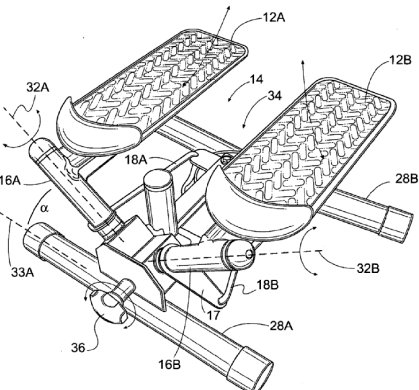
[A63B 22/0012](#) : arms and legs being functionally independent. [A63B 22/203](#) : using rollers in a horizontal plane [A63B 22/0664](#) : Elliptical movement [A63B 2022/0676](#) : crank and handles being on the same side

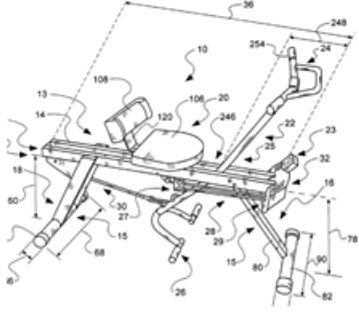
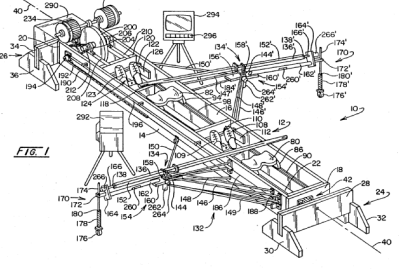
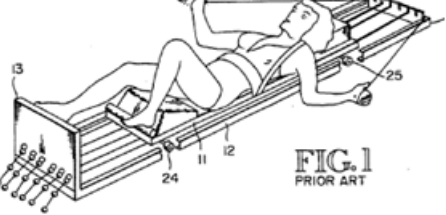
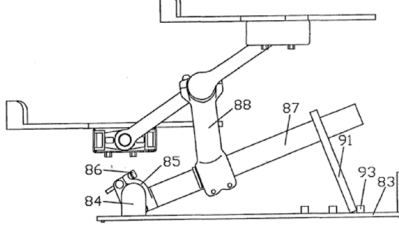
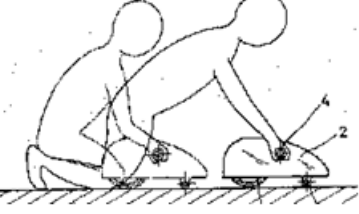


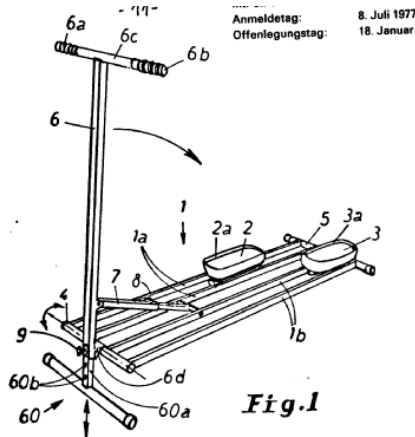
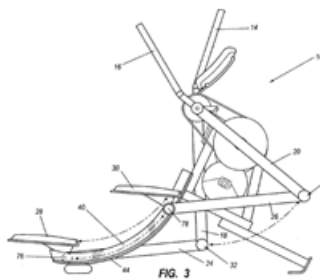
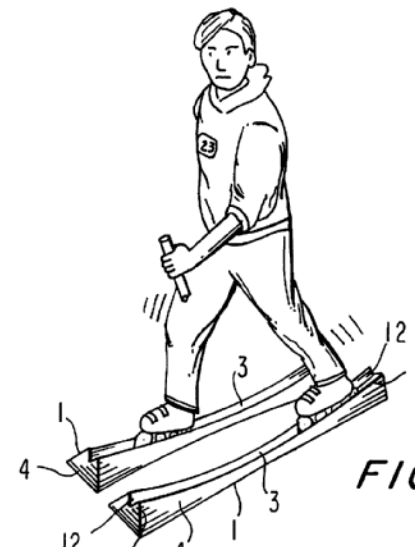
[A63B 22/001](#) : arms and legs simultaneously [A63B 2022/0005](#) : with particular movement of the arms provided by handles. [A63B 22/0664](#) : Elliptical movement [A63B 2022/0682](#) : support elements being cantilevered

[A63B 22/001](#) : arms and legs simultaneously [A63B 22/0061](#) : support pivoting in a horizontal plane [A63B 22/0664](#) : Elliptical movement [A63B 2022/0688](#) : cranks being substantially within the horizontal moving range of the support elements



		<p><a href="#">A63B 22/0056</a> : stepper in vertical plane If not in anti-phase: <a href="#">A63B 2022/0033</a> : simultaneously <a href="#">A63B 2022/0038</a> : independently</p>
<p><a href="#">A63B 22/0058</a> : stepper, vertical plane is body-plane <a href="#">A63B 2022/0053</a> : parallelogram If one-way clutches <a href="#">A63B 21/00029</a> : ratchet-wheel links <a href="#">A63B 2022/0038</a>: foot moving independently</p>		 <p>FIG. 1</p>
		<p><a href="#">A63B 22/001</a> : arms and legs simultaneously <a href="#">A63B 22/0069</a> : pivoting around inclined axis <a href="#">A63B 2022/0071</a> : axis behind <a href="#">A63B 69/0022</a> : for skating <a href="#">A63B 69/182</a>: cross-count</p>
<p><a href="#">A63B 22/0069</a> : pivoting around inclined axis <a href="#">A63B 2022/0074</a> : axes in frontnot <b>22/00 E10D</b> because movement downward-outward</p>		

	<p><a href="#">A63B 22/0076</a> : Rowing  <a href="#">A63B 2022/0084</a> :  handlebar with horizontal  axis <a href="#">A63B 22/0089</a>: a  counterforce being provided  to the seat</p>
<p><a href="#">A63B 69/06</a> : for rowing <a href="#">A63B 2022/0082</a>  : pivoting handlebars <a href="#">A63B 21/285</a> : 2 in  cooperation <a href="#">A63B 2225/107</a>: multi-station,  same kind of resistance</p>	
	<p><a href="#">A63B 22/0089</a> : resistance  provided to seat  <a href="#">A63B 22/001</a>: for arms and  legs</p>
<p><a href="#">A63B 22/0694</a> : cycling movement, without  integral seat, to be placed in front of a chair  <a href="#">A63B 22/0605</a> : circular <a href="#">A63B 22/0023</a>:  inclination adjustable</p>	
	<p><a href="#">A63B 22/20</a> : using rollers  over the floor <a href="#">A63B 21/0004</a> :  moving as a whole</p>

<p><a href="#">A63B 22/203</a> : translating horizontally  <a href="#">A63B 2022/0038</a> : foot supports moving independently  <a href="#">A63B 22/0023</a>: adjusting inclination</p>	 <p>Anmeldetag: 8. Juli 1977  Offenlegungstag: 18. Januar</p>
	<p><a href="#">A63B 22/001</a> : Arms and legs simultaneously  <a href="#">A63B 22/205</a> : translating substantially vertically  <a href="#">A63B 2022/206</a>: on a curved path</p>
<p><a href="#">A63B 22/0012</a> : Arms and legs simultaneously, independently  <a href="#">A63B 22/203</a> : translating horizontally  <a href="#">A63B 2022/206</a> : on a curved path  <a href="#">A63B 2022/0038</a> : feet moving independently  <a href="#">A63B 2022/0035</a>: hands moving independently</p>	

## A63B 22/0002

{involving an exercising of arms (for strengthening the upper limbs [A63B 23/12](#))}

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Exercising the strength of the upper limbs	<a href="#">A63B 23/12</a>
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## Special rules of classification within this group

Exercising of legs is not classified per se, only in combination with arms.

### A63B 22/001

{by simultaneously exercising arms and legs, e.g. diagonally in anti-phase ([A63B 22/0076](#) takes precedence)}

## References relevant to classification in this group

*This subgroup does not cover:*

Rowing machines	<a href="#">A63B 22/0076</a>
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## Glossary of terms

*In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

Diagonally	left arm with right leg
Anti-phase	when the right leg moves forward, the left legs moves rearward

### A63B 22/0015

{with an adjustable movement path of the support elements}

## References relevant to classification in this group

*This subgroup does not cover:*

Adjusting the resistance	<a href="#">A63B 21/00058</a>
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### A63B 2022/0025

{Particular aspects relating to the orientation of movement paths of the limbs relative to the body; Relative relationship between the movements of the limbs}

## References relevant to classification in this group

*This subgroup does not cover:*

for strength training	<a href="#">A63B 23/03516</a>
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**A63B 22/0046**

{Details of the support elements or their connection to the exercising apparatus, e.g. adjustment of size or orientation (attachments of resisters or weights to the body of the user [A63B 21/1403](#) ; using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks [A63B 22/20](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Attachment of resisters or weights to the user	<a href="#">A63B21/12</a>
Using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks	<a href="#">A63B 22/20</a>

**A63B 22/0048**

{with cantilevered support elements pivoting about an axis ([A63B 22/0076](#) takes precedence)}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Rowing machines	<a href="#">A63B 22/0076</a>
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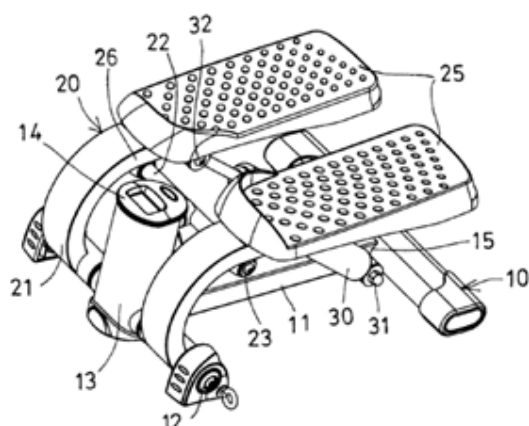
## A63B 22/0056

{the pivoting movement being in a vertical plane, e.g. steppers with a horizontal axis (platforms for rocking motion about a horizontal axis [A63B 22/16](#))}

### Definition statement

*This subgroup covers:*

The support elements are cantilevered and pivot about an axis, the axis being outside the vertical projection of the support elements.



### References relevant to classification in this group

*This subgroup does not cover:*

Platforms for rocking motion about a horizontal axis	<a href="#">A63B 22/16</a>
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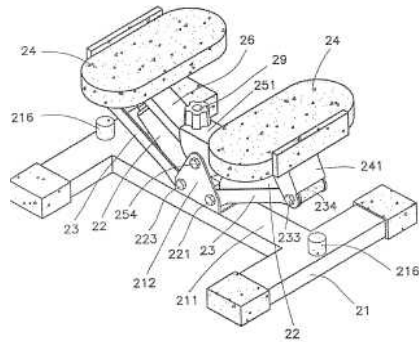
## A63B 22/0058

{the vertical plane being the frontal body-plane}

### Definition statement

*This subgroup covers:*

Movement on the frontal plane of the user, side-to side movement path, not forwards/backwards.



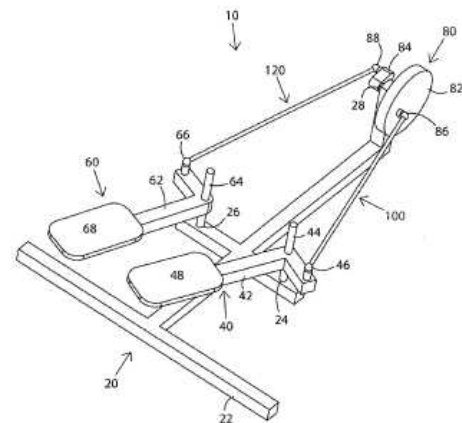
US2003008750

## A63B 22/0061

{the pivoting movement being in a horizontal plane, e.g. skating movement (platforms for reciprocating rotating motion about a vertical axis [A63B 22/14](#))}

### Definition statement

*This subgroup covers:*



US2009239713

## References relevant to classification in this group

*This subgroup does not cover:*

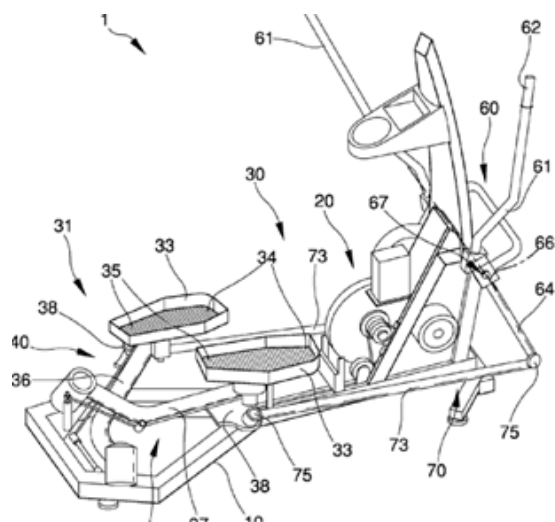
Platforms for reciprocating rotating motion about a vertical axis	<a href="#">A63B 22/14</a>
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## A63B 22/0069

{about an axis inclined with respect to the horizontal plane, e.g. steppers with an inclined axis}

## Definition statement

*This subgroup covers:*



## A63B 22/0076

{Rowing machines (seats moving during exercise [A63B 22/0087](#) ; training appliances for rowing or sculling on boats [A63B 69/06](#))}

## Relationship between large subject matter areas

Training appliances for rowing or sculling on boats [A63B 69/06](#)

Seats moving during exercise has to be classified in [A63B 22/0087](#)

**A63B 22/0087**

{with a seat or torso support moving during the exercise, e.g. reformers ([A63B 22/0076](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Pivoting movement to be classified in	<a href="#">A63B 22/0048</a>
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**Special rules of classification within this group**

Translation movement not classified

**A63B 2022/0092**

{for training agility or co-ordination of movements}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Visualisation or indication relating to symmetrical exercise	<a href="#">A63B 2071/0652</a>
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**A63B 2022/0094**

{for active rehabilitation, e.g. slow motion devices}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Passive rehabilitation	<a href="#">A61H 1/00</a>
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**A63B 2022/0097**

{for avoiding blood stagnations, e.g. Deep Vein Thrombosis (DVT)}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Passive devices therefore	<a href="#">A61H 2209/00</a>
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## A63B 22/02

with movable endless bands{, e.g. treadmills (other training appliances for running on the spot [A63B 69/0028](#))}

### Relationship between large subject matter areas

Exercise equipments for training animals. [A01K 15/027](#)

### References relevant to classification in this group

*This subgroup does not cover:*

Belts for conveyors	<a href="#">B65G 15/30</a>
Treadmills for producing mechanical power	<a href="#">F03G 5/025</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Suspension devices for supporting the body	<a href="#">A61H 3/008</a>
Shock absorbing means for treadmills	<a href="#">A63B 2022/0207</a>
Physical characteristics of the belt of a treadmill	<a href="#">A63B 22/0285</a>
Treadmills with separate belt for each leg, e.g. dual deck	<a href="#">A63B 2022/0292</a>
Other training appliances for running on the spot	<a href="#">A63B 69/0028</a>
For wheelchair users	<a href="#">A63B 2071/0018</a>
Measuring or simulating ambient conditions (e.g. wind)	<a href="#">A63B 2220/70</a>
Space saving	<a href="#">A63B 2210/50</a>

## A63B 22/0242

{with speed variation}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Controlled by user`s position on the belt	<a href="#">A63B 2024/0093</a> , <a href="#">A63B 2220/13</a>
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## A63B 22/04

with movable {multiple}steps,{i.e. more than one step per limb, e.g. steps mounted on endless loops, endless ladders(steps with cantilevered support elements pivoting about an axis [A63B 22/0048](#))}

### Definition statement

*This subgroup covers:*

If not differently coded the steps or platforms reciprocate in anti-phase (when one leg moves forwards, the other leg moves rearwards).

### References relevant to classification in this group

*This subgroup does not cover:*

Steppers with cantilevered support elements pivoting about an axis	<a href="#">A63B 22/0048</a>
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## A63B 22/06

with {support elements performing a}rotating cycling movement,{i.e. a closed path movement}(support stands for bicycles [A63B 69/16](#) ; unicycles [B62K 1/00](#))

### References relevant to classification in this group

*This subgroup does not cover:*

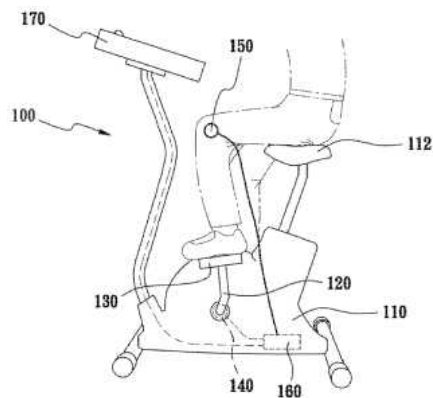
Rotating cycling movement for PASSIVE exercising	<a href="#">A61H 1/0214</a>
Support stands for bicycles	<a href="#">A63B 69/16</a>
Unicycles	<a href="#">B62K 1/00</a>

**A63B 22/0605**

{performing a circular movement, e.g. ergometers}

**Definition statement**

*This subgroup covers:*



US2010248905

**Relationship between large subject matter areas**

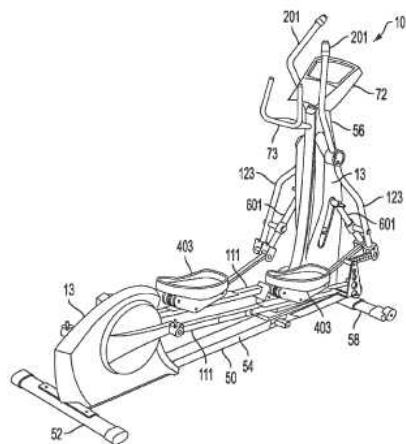
Bicycles	<a href="#">B62K 3/00</a>
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**A63B 22/0664**

{performing an elliptic movement}

**Definition statement**

*This subgroup covers:*



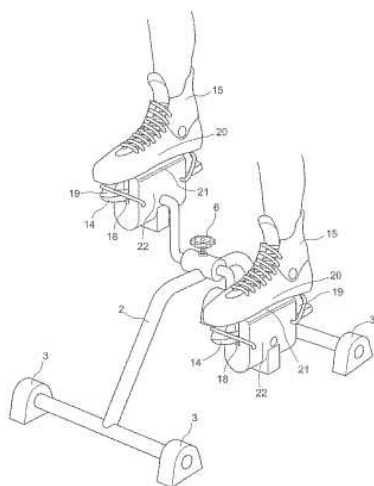
WO2004014494

## A63B 22/0694

{without integral seat, e.g. portable mini ergometers being placed in front of a chair, on a table or on a bed}

### Definition statement

*This subgroup covers:*



WO2005123197

Small portable devices which can be placed in front of a chair, on a table, on a door or on a bed.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Fastening household utensils to tables, walls or the like	<a href="#">A47G 29/087</a>
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### Special rules of classification within this group

The kind of movement has to be classified in [A63B 22/0605](#) if circular, in [A63B 22/0664](#) if generally elliptical or [A63B 22/06](#) if the cycling movement has any other shape.

## A63B 22/08

for the legs, {i.e. only for the legs}

### Special rules of classification within this group

This class is not used anymore, exercisers for legs only, have been reorganised to [A63B 22/0605](#)

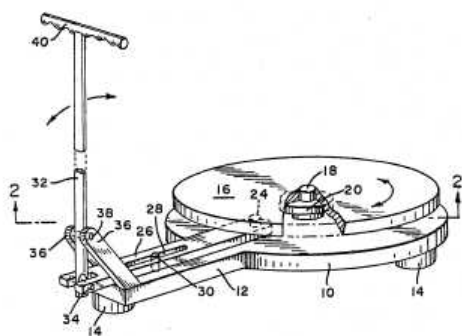
## A63B 22/14

**Platforms for reciprocating rotating motion about a vertical axis {e.g. axis through the middle of the platform}**

### Definition statement

*This subgroup covers:*

axis passing substantially in the middle of a platform or between the platforms

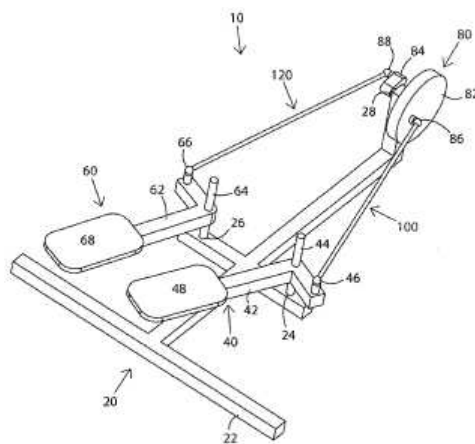


US4313603

### References relevant to classification in this group

*This subgroup does not cover:*

devices with cantilevered platform like the one below



US2009239713

these devices do not have the axis passing through their middle portion or between the platforms: these devices have to be classified in [A63B 22/0061](#)

Devices with cantilevered platform	<a href="#">A63B 22/0061</a>
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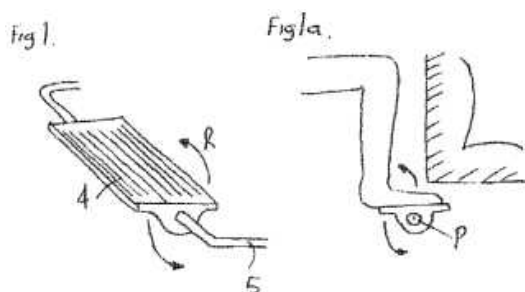
## A63B 22/16

Platforms for rocking motion about a horizontal axis {e.g. axis through the middle of the platform}; Balancing drums; Balancing boards or the like{(exercising apparatus with cantilevered support elements pivoting about an axis [A63B 22/0056](#) ; other exercising apparatus for improving balance [A63B 26/003](#))}

### Definition statement

*This subgroup covers:*

Axis being situated generally in the middle portion of the platforms



GB2377651

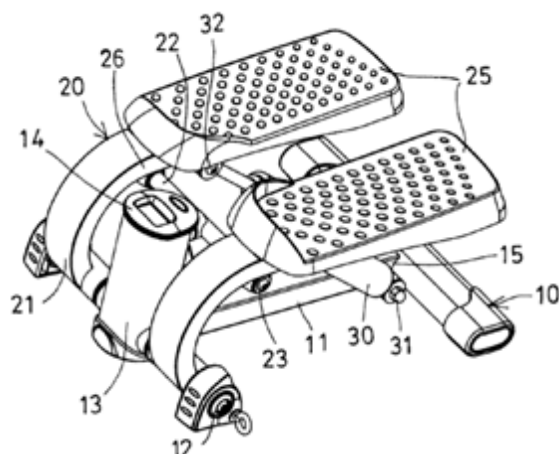
### References relevant to classification in this group

*This subgroup does not cover:*

Other exercising apparatus for improving balance	<a href="#">A63B 26/003</a>
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### Special rules of classification within this group

Devices with cantilevered platform like the one below



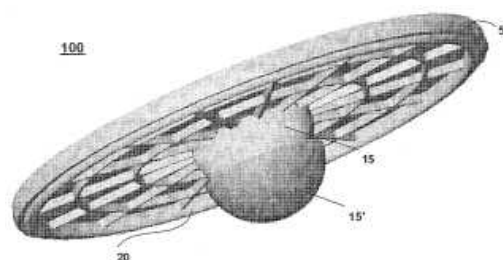
These devices with cantilevered platforms have the axis situated far from their middle portion: these devices have to be classified in [A63B 22/0056](#)

## A63B 22/18

with elements, {i.e. platforms,} having a circulating, {nutating} or rotating movement, generated by oscillating movement of the user, {e.g. platforms wobbling on a centrally arranged spherical support} (hoop exercising apparatus [A63B 19/00](#) ; { eccentric weights put into orbital motion by nutating movement of the user [A63B 21/0608](#) ; pots rotating or rocking by moving the whole body [A63G 23/00](#) })

### Definition statement

*This subgroup covers:*



US2004018924

### References relevant to classification in this group

*This subgroup does not cover:*

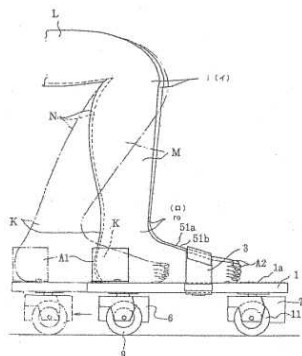
Hoop exercising apparatus	<a href="#">A63B 19/00</a>
Eccentric weights put into orbital motion by nutating movement of the user	<a href="#">A63B 21/0608</a>
Pots rotating or rocking by moving the whole body	<a href="#">A63G 23/00</a>

## A63B 22/20

using rollers, wheels, castors or the like,{e.g. gliding means,}to be moved over the floor or other surface,{e.g. guide tracks,}during exercising

### Definition statement

*This subgroup covers:*



US2004198564

## A63B 22/201

{for moving a support element in reciprocating translation, e.g. for sliding back and forth on a guide track}

### Definition statement

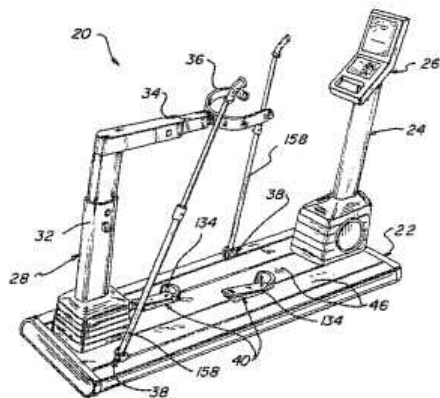
*This subgroup covers:*

All kind of devices for which the reciprocating movement cannot be classified in the subclasses [A63B 22/203](#) or [A63B 22/205](#).

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Reciprocating translation on a curved path	<a href="#">A63B 2022/206</a>
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**A63B 22/203****{in a horizontal plane}****Definition statement***This subgroup covers:*

US5368533

**Informative references***Attention is drawn to the following places, which may be of interest for search:*

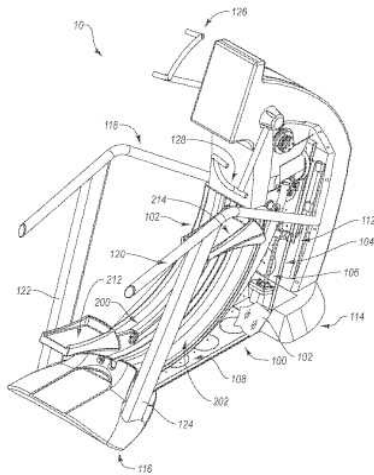
Means for supporting or limiting movement of body parts	<a href="#">A63B 69/0057</a>
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## A63B 22/205

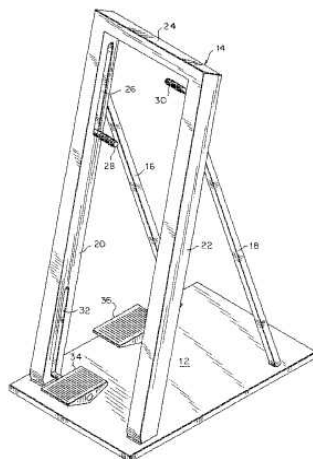
{in a substantially vertical plane, e.g. for exercising against gravity (exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight [A63B 21/068](#) ; with adjustable inclination [A63B 22/0023](#))}

### Definition statement

*This subgroup covers:*



US2008032869



US5803880

## References relevant to classification in this group

*This subgroup does not cover:*

Exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight	<a href="#">A63B 21/068</a>
With adjustable inclination of the main axis of the movement path	<a href="#">A63B 22/0023</a>

## A63B 23/00

Exercising apparatus specially adapted for particular parts of the body ([A63B 22/00](#) takes precedence; force-resisting aspects [A63B 21/00](#) ; electric or electronic controls therefor [A63B 24/00](#) ; devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards [G09B 15/06](#))

## Definition statement

*This group covers:*

The use of the Exercising apparatuses for active strength physical training.

## References relevant to classification in this group

*This group does not cover:*

Passive stretching or bending	<a href="#">A61H 1/02</a>
Use of the apparatus for cardio-vascular, agility or coordination	<a href="#">A63B 22/00</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Isometric or Isokinetic exercises	<a href="#">A63B 21/002</a>
Devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards	<a href="#">G09B 15/06</a>

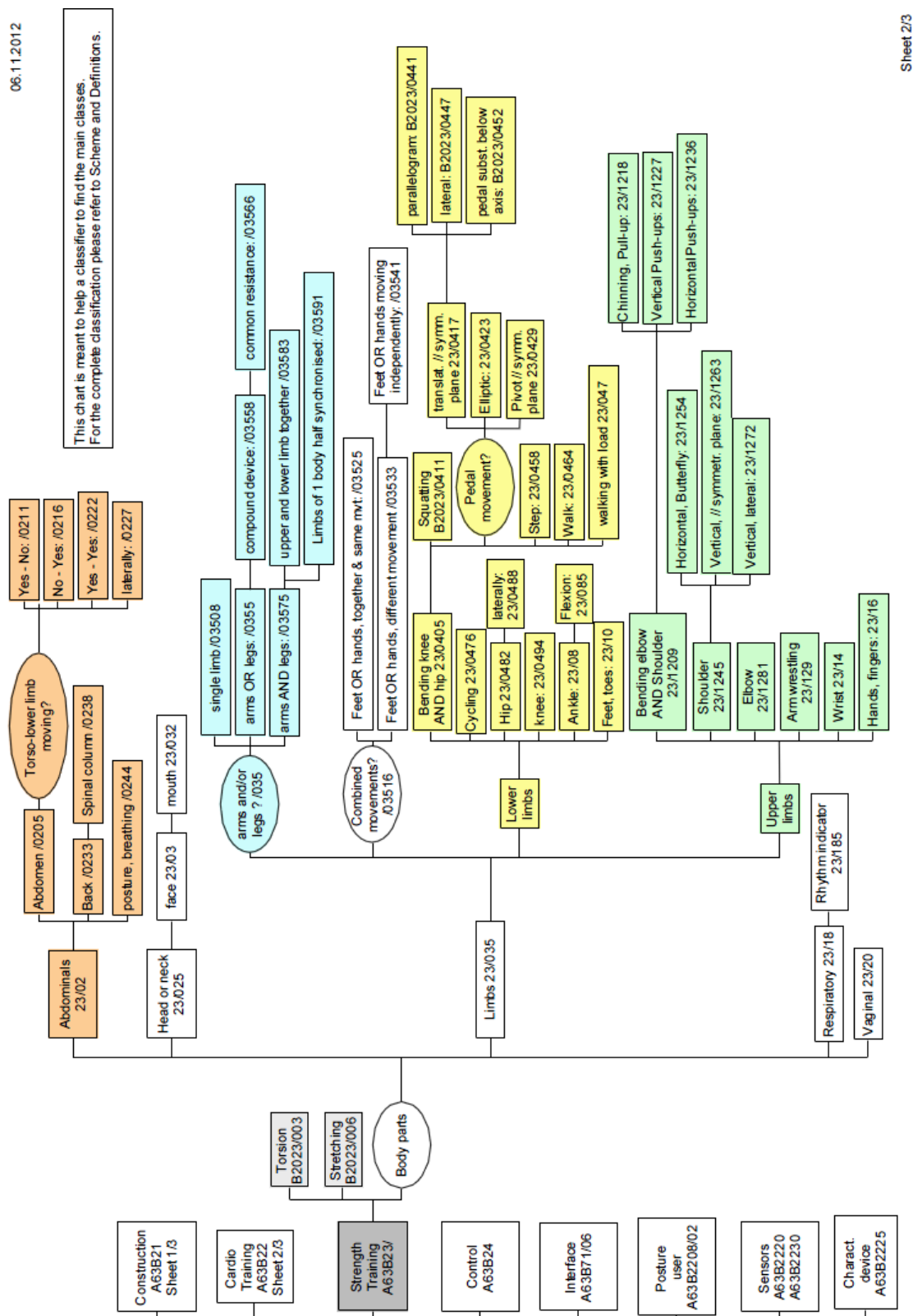
**Special rules of classification within this group**

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)).

Construction features of an exercising apparatus	<a href="#">A63B 21/00</a>
Electric or electronic control	<a href="#">A63B 24/00</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>
Sensors	<a href="#">A63B 2220/00</a>

Position of the user during training

A63B 2208/00



## Glossary of terms

*In this group, the following terms (or expressions) are used with the meaning indicated:*

Concentric exercise	exercise: the muscle shortens as it contracts, a concentric contraction of the biceps would cause the arm to bend at the elbow and hand to move from near to the leg, to close to the shoulder
Eccentric exercise	the muscle elongates while under tension due to an opposing force being greater than the force generated by the muscle. Rather than working to pull a joint in the direction of the muscle contraction, the muscle acts to decelerate the joint at the end of a movement
Isometric exercise	a type of strength training in which the joint angle and muscle length do not change during contraction
Isokinetic exercise	dynamic muscle activity performed at a constant angular velocity; torque and tension remain constant while muscles shorten or lengthen;
Isotonic exercise	active exercise without appreciable change in the force of muscular contraction, with shortening of the muscle.

## A63B 2023/003

**{by torsion of the body part around its longitudinal axis}**

## References relevant to classification in this group

*This subgroup does not cover:*

Arm wrestling	<a href="#">A63B 23/129</a>
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## A63B 2023/006

**{for stretching exercises}**

## Definition statement

*This subgroup covers:*

Exercise devices for active stretching exercises.

References relevant to classification in this group

*This subgroup does not cover:*

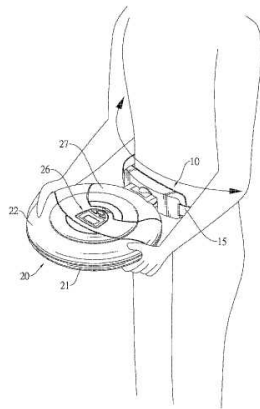
Passive stretching devices	<a href="#">A61H 1/02</a>
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A63B 23/02

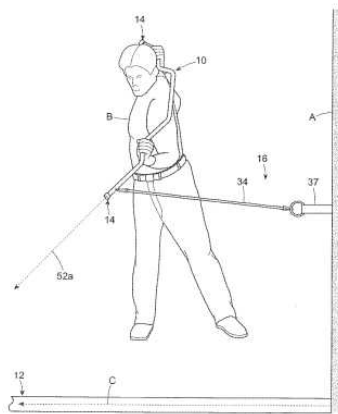
for the abdomen, the spinal column or the torso {muscles related to shoulders (e.g. chest muscles)}

Definition statement

*This subgroup covers:*



US7744510



US2009239675

References relevant to classification in this group

*This subgroup does not cover:*

Torsion movements	<a href="#">A63B 2023/003</a>
Position of the user during training	<a href="#">A63B 2208/00</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

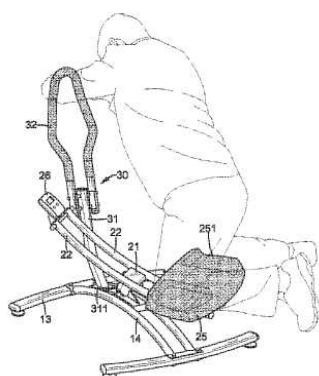
Exercising belts without indicating means	<b>A63B21/26</b>
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## A63B 23/0205

{Abdomen}

## Definition statement

*This subgroup covers:*



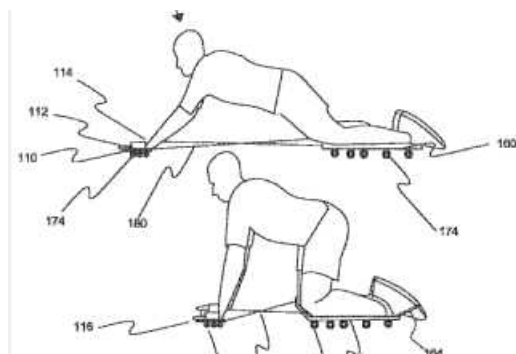
US7878957

## A63B 23/0211

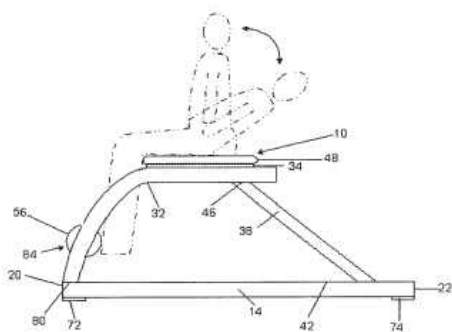
{moving torso with immobilized lower limbs}

## Definition statement

*This subgroup covers:*



US2010216615



US2005009678

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

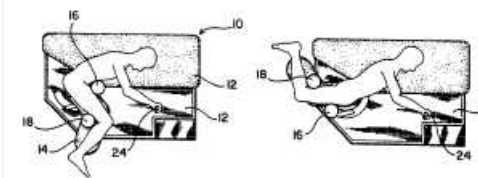
Drawing-out, the patient hanging upside down	<b>A61H1/02D2</b>
Feet or leg holding means	<a href="#">A61H 2201/1642</a>
Attachment of lower limbs to exercising apparatus	<a href="#">A63B 21/1423</a>
Leg restraining devices	<a href="#">A63B 2069/0062</a>

**A63B 23/0216**

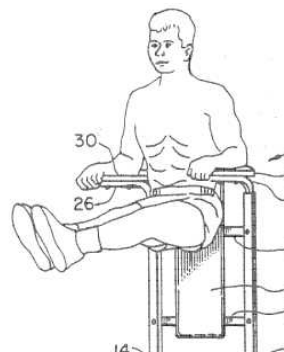
{moving lower limbs with immobilized torso}

**Definition statement**

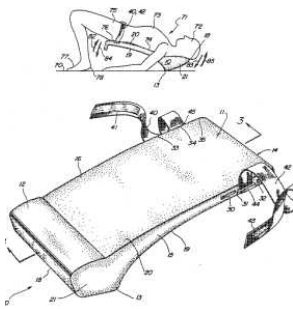
This subgroup covers:



US5273508



US5080352



US5147267

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

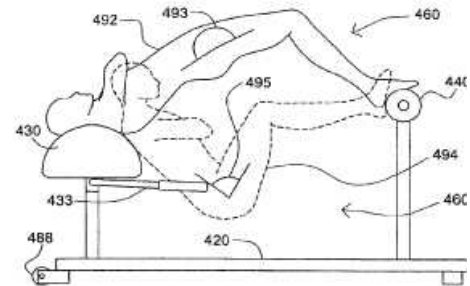
Attachment of upper limbs to exercising apparatus	<a href="#">A63B 21/1434</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>

**A63B 23/0222**

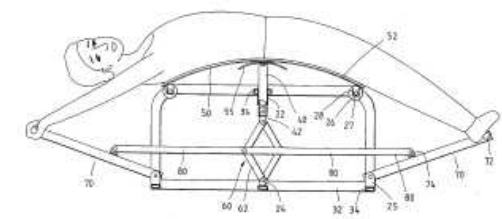
{moving torso and lower limbs}

**Definition statement**

This subgroup covers:



WO2008077117



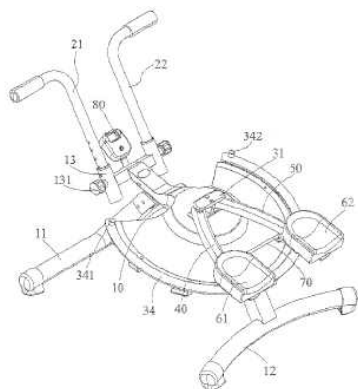
US5531658

**A63B 23/0227**

{moving torso or lower limbs laterally, i.e. substantially in the frontal plane}

**Definition statement**

*This subgroup covers:*



FR2950537

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

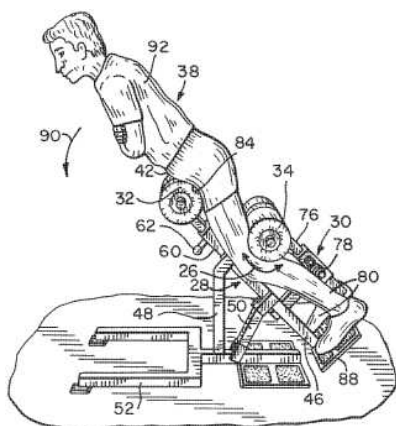
Movement perpendicular to the body-symmetrical plane for cardio training	<a href="#">A63B 2022/003</a>
Cantilevered support platforms for cardio training	<a href="#">A63B 22/0048</a>

## A63B 23/0233

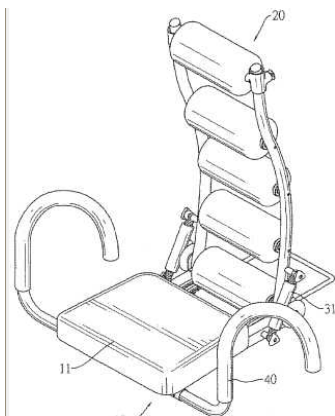
{Muscles of the back, e.g. by an extension of the body against a resistance, reverse crunch}

### Definition statement

*This subgroup covers:*



US6287244



US2008090709

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

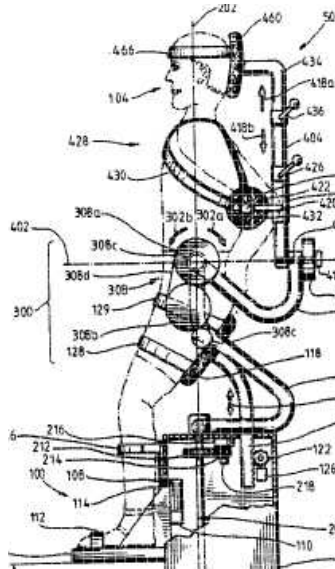
Drawing-out, the patient hanging upside down	<b>A61H1/02D2</b>
Feet or leg holding means	<a href="#">A61H 2201/1642</a>
Attachment of lower limbs to exercising apparatus	<a href="#">A63B 21/1423</a>
Attachment of upper limbs to exercising apparatus	<a href="#">A63B 21/1434</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>

## A63B 23/0238

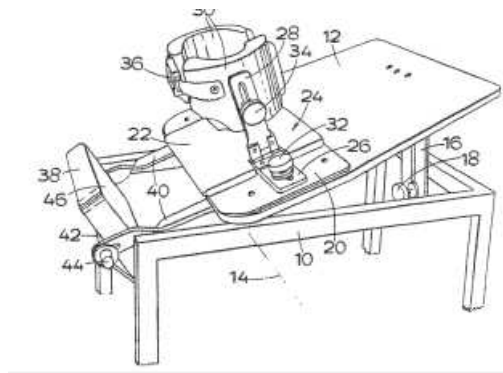
{Spinal column (for the neck [A63B 23/025](#))}

### Definition statement

*This subgroup covers:*



US5324247



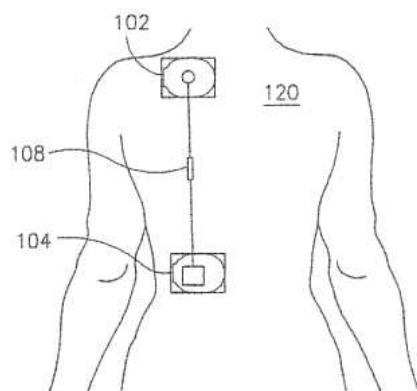
GB2222085

## A63B 23/0244

{with signalling or indicating means, e.g. of incorrect posture, for deep-breathing exercises}

### Definition statement

*This subgroup covers:*



### References relevant to classification in this group

*This subgroup does not cover:*

Detecting, measuring or recording devices for testing the shape, pattern, size or movement of the body or parts thereof, for diagnostic purposes	<a href="#">A61B 5/103</a>
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## A63B 23/025

for the head or the neck

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Passive stretching devices for the neck	<a href="#">A61H 1/0296</a>
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## A63B 23/035

for limbs, i.e. upper or lower limbs, e.g. simultaneously

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

for cardio-training	<a href="#">A63B 22/0002</a>
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**A63B 23/04**

for lower limbs{(Training appliances for special sports [A63B 69/00](#) ; For the purpose of producing mechanical power [F03G 5/00](#))}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Training appliances for special sports	<a href="#">A63B 69/00</a>
for the purpose of producing mechanical power	<a href="#">F03G 5/00</a>

**A63B 23/12**

for upper limbs {or related muscles, e.g. chest, upper back or shoulder muscles(bench press exercises [A63B 21/078](#) ; for teaching music [G09B 15/06](#))}

**Definition statement**

*This subgroup covers:*

Exercise devices for specifically training the strength of the upper limb or upper extremity which comprises the region extending from the deltoid region to the hand, including the arm, axilla and shoulder.

**References relevant to classification in this group**

*This subgroup does not cover:*

Horizontal bars for pull up exercising	<a href="#">A63B 1/00</a>
Exercising upper limbs for teaching music	<a href="#">G09B 15/06</a>

**A63B 23/18**

for improving respiratory function

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Means for creating vibrations in patient's airways	<b>A61M2016/0006</b>
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**A63B 23/20****for vaginal muscles {or other sphincter-type muscles}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Massage of the genitals	<a href="#">A61H 19/00</a>
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**Glossary of terms***In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

Vaginal muscles or other sphincter-type muscles	called pubococcygeal muscles
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**A63B 24/00****Electric or electronic controls for exercising apparatus of preceding groups;{Controlling or monitoring of exercises, sportive games, training or athletic performances}****Definition statement***This group covers:*

- Electric or electronic controls within exercising apparatuses for active physical training.
- Electric or electronic controls for [A63B 21/00-A63B 23/00](#) are specifically classified in [A63B 24/0087](#).

**References relevant to classification in this group***This group does not cover:*

Passive physical training	<a href="#">A61H 2201/50</a>
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Applications relating only to software and not dealing with mechanical features of the exercising apparatuses are classified in G, for example:

Applications for learning a movement	<a href="#">G09B 19/003</a>
Database structure, Audio information retrieval	<a href="#">G06F 17/3074</a>
Database structure, Video information retrieval	<a href="#">G06F 17/30781</a>
Medical data management, patient records	<a href="#">G06F 19/32</a>

Applications for virtual trainers	<a href="#">G06F 19/3481</a>
Recognition of body movements, e.g. for sport training	<a href="#">G06K 9/00342</a>
Data Management	<a href="#">G06Q 50/22</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Video games	<a href="#">A63F 13/00</a>
Controlling member being movable by hand, e.g. joystick	<a href="#">G05G 9/047</a>
Image analysis	<a href="#">G06T 7/00</a>
Image generation (2D)	<a href="#">G06T 11/00</a>
Digital computing or data processing in general	<a href="#">G06F 19/00</a>
Digital computing or data processing	<a href="#">G06F 19/00</a>
Recognising movements or behaviour	<a href="#">G06K 9/00335</a>
Mechanisms actuated by objects other than coins	<a href="#">G07F 7/00</a>
Coin freed apparatus for sports or amusements	<a href="#">G07F 17/32</a>

## Special rules of classification within this group

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

Construction features of an exercising apparatus	<a href="#">A63B 21/00</a>
Use of apparatus for cardio-vascular, agility or coordination	<a href="#">A63B 22/00</a>
Use of the apparatus for strength training	<a href="#">A63B 23/00</a>
Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>
Sensors	<a href="#">A63B 2220/00</a>
Position of the user	<a href="#">A63B 2208/00</a>

**A63B 24/0003**

**{Analysing the course of a movement or motion sequences during an exercise or trainings sequence, e.g. swing for golf or tennis}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Analysing movement for medical diagnosis	<a href="#">A61B 5/103</a>
Recognition of whole body movements, e.g. for sport training	<a href="#">G06K 9/00342</a>
Teaching repetitive work cycles; Sequence of movements	<b>G06B19/00E</b>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Analysis of motion from image	<a href="#">G06T 7/20</a>
Differential GPS	<a href="#">G01S 5/145</a>

**A63B 24/0021**

**{Tracking a path or terminating locations}**

**Definition statement**

*This subgroup covers:*

Tracking a path or terminating locations, including: position, e.g. in function of time, speed, acceleration.

**A63B 24/0059**

**{Exercising apparatus with reward systems}**

**Definition statement**

*This subgroup covers:*

Exercise devices with systems for rewarding the user and provide incentives to train.

## References relevant to classification in this group

*This subgroup does not cover:*

Virtual environments for tracking the behaviour,

the purchases or the athletic activity of an user in order to customize services offered to the user:

Marketing, e.g. market research and analysis, surveying, promotions, advertising, buyer profiling, customer management, rewards; Price estimation and determination	<a href="#">G06Q 30/02</a>
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## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Means for conducting or scheduling competition, league, tournaments, rankings	<a href="#">A63B 71/0616</a>
Virtual races	<a href="#">A63B 24/0084</a>

## A63B 24/0062

**{Monitoring athletic performances, e.g. for determining the work of a user on an exercise apparatus, the completed jogging or cycling distance}**

## References relevant to classification in this group

*This subgroup does not cover:*

Monitoring performances for medical diagnosis	<a href="#">A61B 5/103</a>
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## A63B 24/0075

**{Means for generating exercise programs or schemes, e.g. computerized virtual trainer, e.g. using expert databases}**

## References relevant to classification in this group

*Applications relating to a software and not to the exercising apparatus:*

Prescription of physical exercise	<a href="#">G06F 19/3481</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Time management	<a href="#">G06Q 10/109</a>
Task assignment	<a href="#">G06Q 10/1097</a>

## A63B 24/0084

**{Exercising apparatus with means for competitions, e.g. virtual races}**

## Definition statement

*This subgroup covers:*

Exercise devices with means for competitions

## References relevant to classification in this group

*This subgroup does not cover:*

Applications relating only to the electronic means for competition, these should be dealt in:

Interaction between a plurality of game devices	<a href="#">A63F 13/12</a>
Protocols for networked games	<a href="#">H04L 29/06034</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Interaction between a plurality of game devices	<a href="#">A63F 13/30</a>
Ranking	<a href="#">A63B 71/0616</a>
Maps of tracks or courses	<a href="#">A63B 2071/0691</a>
Wireless	<a href="#">A63B 2225/00</a> - <a href="#">A63B 2225/50</a>
Protocols for networked games	<a href="#">H04L 29/06034</a>
Digital computing special functions	<a href="#">G06F 17/00</a>
Arrangements for interaction with the human body	<a href="#">G06F 3/011</a>
Networking; advertising	<a href="#">G09F 23/00</a>

**A63B 25/08**

Hopping-sticks, e.g. pogo sticks; {Hopping apparatus with a single resilient support (devices for balloon jumping [A63B 5/166](#))}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Devices for balloon jumping	<a href="#">A63B 5/166</a>
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**A63B 26/003**

{for improving balance or equilibrium (balance beams [A63B 4/00](#) ; apparatus for rope dancing [A63B 7/08](#) ; balancing drums, balancing boards or the like [A63B 22/16](#))}

**Definition statement**

*This subgroup covers:*

Apparatus for improving balance or equilibrium

**References relevant to classification in this group**

*This subgroup does not cover:*

Balance beams	<a href="#">A63B 4/00</a>
Apparatuses for rope dancing	<a href="#">A63B 7/08</a>
Balancing drums, balancing boards or the like	<a href="#">A63B 22/16</a>
Wobbling platforms	<a href="#">A63B 22/18</a>
Training surfing, i.e. without a sail, skateboarding, snowboarding	<a href="#">A63B 69/0093</a>

**A63B 27/00**

Apparatus for climbing poles, trees, or the like ({ropes [A63B 29/02](#)} ; safety belts for climbers [A62B 35/00](#) ; { climbing irons permanently attached to fixed structures [E06C 9/04](#)})

**References relevant to classification in this group**

*This group does not cover:*

Devices preventing persons from falling from ladders	<a href="#">E06C 7/08</a>
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Safety belts for climbers	<a href="#">A62B 35/00</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Ropes	<a href="#">A63B 29/02</a>
Safety belts for climbers	<a href="#">A62B 35/00</a>
Climbing irons permanently attached to fixed structures	<a href="#">E06C 9/04</a>

## A63B 29/00

Apparatus for mountaineering (helmets [A42B 3/00](#) ; non-skid devices or attachments for footwear, e.g. mountain climbing irons [A43C 15/00](#) ; breathing masks or helmets for use at high altitudes [A62B 18/00](#) ; { safety belts or body harnesses [A62B 35/00](#) } ; picks [B25D 7/00](#))

## References relevant to classification in this group

This group does not cover:

Devices for lowering persons, including "descendeurs", rope brakes etc	<a href="#">A62B 1/06</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Helmets	<a href="#">A42B 3/00</a>
Non-skid devices or attachments for footwear, e.g. mountain climbing irons	<a href="#">A43C 15/00</a>
Breathing masks or helmets for use at high altitudes	<a href="#">A62B 18/00</a>
Safety belts or body harnesses	<a href="#">A62B 35/00</a>
Picks	<a href="#">B25D 7/00</a>
Arrangements on buildings for connecting safety-lines	<a href="#">E04G 21/3261</a>

## Special rules of classification within this group

Devices for lowering persons are classified in [A62B 1/06](#). This includes descendeurs, rope brakes etc.

## A63B 29/02

**Mountain guy-ropes or accessories, e.g. avalanche ropes{(hooks, e.g. snaphooks, therefor [F16B 45/00](#))}**; Means for indicating the location of accidentally buried, e.g. snow-buried, persons (detecting hidden masses in general [G01V](#))

### Informative references

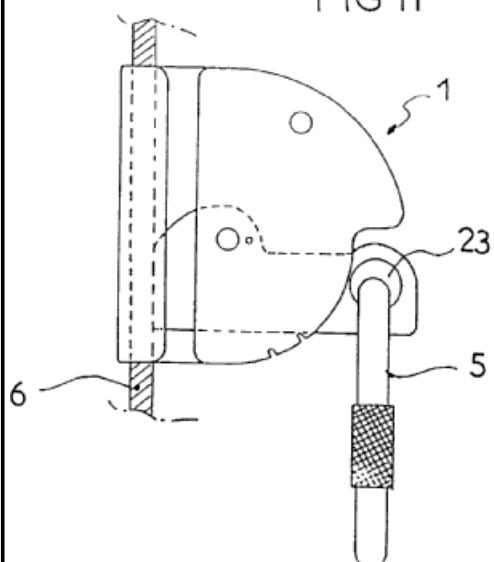
*Attention is drawn to the following places, which may be of interest for search:*

Rope-lowering devices for mountaineering	<a href="#">A62B 1/06</a>
Rope-lowering devices for mountaineering with brakes sliding on the rope	<a href="#">A62B 1/14</a>
Safety belts for climbers	<a href="#">A62B 35/00</a>
Hooks, e.g. snaphooks, therefor	<a href="#">F16B 45/00</a>
Detecting hidden masses in general	<a href="#">G01V 1/00</a>

### Special rules of classification within this group

Multiple entry classification in different classes is sometime used in borderline cases, i.e. documents are classified in the applicable groups and/or subgroups of two different sub-classes: [A62B 1/00](#) and [A63B 29/00](#).

For example:

<p>EP 0 752 255 A1</p> <p>FIG 11</p> 	<p>This document (EP 0 752 255 A1) is classified as follows (multiple entry classification in different classes): <a href="#">A62B 1/14</a> ; <a href="#">A62B 35/04</a> ; <a href="#">A63B 29/02</a></p>
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## A63B 29/021

{Means for indicating the location of accidentally buried, e.g. snow-buried, persons (detecting hidden masses in general [G01V](#))}

### Relationship between large subject matter areas

Distress signals	<a href="#">G08B 5/002</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Detecting hidden masses in general	<a href="#">G01V</a>
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### Special rules of classification within this group

Means for helping someone survive an avalanche are also classified here.

**A63B 29/024****{Climbing chocks}****Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Dowels or other devices fastened in walls or the like by inserting them in holes made therein for that purpose	<a href="#">F16B 13/00</a>
Friction-grip releasable fastenings	<a href="#">F16B 2/00</a>
Means for fastening cables or ropes to one another or to other objects; Caps or sleeves for fixing on cables or ropes	<a href="#">F16G 11/00</a>

**A63B 29/028****{Ropes specially adapted for mountaineering}****References relevant to classification in this group**

*This subgroup does not cover:*

Ropes in general	<a href="#">D07B</a>
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**A63B 29/08****Hand equipment for climbers****Special rules of classification within this group**

This group includes ice axes.

**A63B 31/00**

**Swimming aids (teaching swimming [A63B 69/10](#) to [A63B 69/14](#) ; life-saving in water, {e.g. life-buoys, life-belts} , [B63C 9/00](#))**

**References relevant to classification in this group**

*This group does not cover:*

- Hydraulic force resistors for exercising	<a href="#">A63B 21/0084</a>
Body floating supports for relaxation	<a href="#">A61H 37/005</a>
Body flotation supports, e.g. for children	<a href="#">B63C 9/00</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Teaching swimming	<a href="#">A63B 69/10</a> , <a href="#">A63B 69/12</a> ,
Life-saving in water, e.g. life-buoys, life-belts	<a href="#">B63C 9/00</a>
Inflatable	<a href="#">A63B 2225/62</a>

## Special rules of classification within this group

Body flotation supports, e.g. for children, are to be classified in [B63C 9/00](#) and subgroups, even if they do not fit the definition "life-saving". This anomaly will be tidied up in due course.

## A63B 31/08

**Swim fins, flippers or other swimming aids held by, or attachable to, the hands, arms, feet or legs ([A63B 31/18](#) takes precedence; worn as gloves [A63B 31/02](#))**

## References relevant to classification in this group

*This subgroup does not cover:*

Swimming appliances with propulsive effect for hands and feet simultaneously	<a href="#">A63B 31/18</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Swimming aids worn as gloves	<a href="#">A63B 31/02</a>
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## A63B 33/00

**Swimming equipment attachable to the head, e.g. swim caps or goggles (diving masks [B63C 11/12](#) ; breathing aids, e.g. snorkels, [B63C 11/18](#))**

## Definition statement

*This group covers:*

Helmets for swimming and/or playing water polo, and any other kind of swimming equipment whose function is intrinsically connected to the practise of any kind of sport in water.

## References relevant to classification in this group

*This group does not cover:*

Bathing caps not specifically conceived for sporting purposes	<a href="#">A42B 1/12</a>
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## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Head protectors in the form of caps or hats	<a href="#">A42B 1/08</a>
Bathing caps	<a href="#">A42B 1/12</a>
Helmets	<a href="#">A42B 3/00</a>
Other body protectors for the head	<a href="#">A63B 71/10</a>
Breathing aids, e.g. snorkels	<a href="#">B63C 11/12</a>

## A63B 33/002

{Swimming goggles (with means covering the nostrils  
[B63C 11/12](#))}

## References relevant to classification in this group

*This subgroup does not cover:*

Protective goggles	<a href="#">A61F 9/02</a>
Diving masks or goggles with means covering the nostrils	<a href="#">B63C 11/12</a>

## Special rules of classification within this group

Swimming goggles are considered to be diving masks for the purposes of classification if they cover the nostrils.

## A63B 35/00

Swimming framework,{i.e. apparatus fixed to or held by the swimmer or diver}, with driving mechanisms operated by the swimmer or by a motor (other vessels or like floating structures for pleasure or sport [B63B 35/71](#) , [B63B 35/73](#) ; divers` sleds or like craft [B63C 11/46](#))

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Other vessels or like floating structures for pleasure or sport	<a href="#">B63B 35/71</a> , <a href="#">B63B 35/73</a>
Divers` sleds or like craft	<a href="#">B63C 11/46</a>

## A63B 37/00

Solid balls;{Rigid hollow balls}; Marbles (heavy throwing balls [A63B 65/06](#))

### References relevant to classification in this group

*This group does not cover:*

Heavy balls for throwing, e.g. medicine balls, shots	<a href="#">A63B 65/06</a>
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## A63B 37/0003

{Golf balls (for practising drives [A63B 69/3655](#) , for practising putts [A63B 69/3688](#))}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Golf balls for practising drives	<a href="#">A63B 69/3655</a>
Golf balls for practising putts	<a href="#">A63B 69/3655</a>

### Special rules of classification within this group

Methods for moulding: [B29](#)

Chemical aspects: [C08](#)

## Glossary of terms

*In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

Irrespective of the wording and leaving aside the Coating/Markings (if any):

Cover - the outermost mechanical layer

Core - the innermost part of the ball

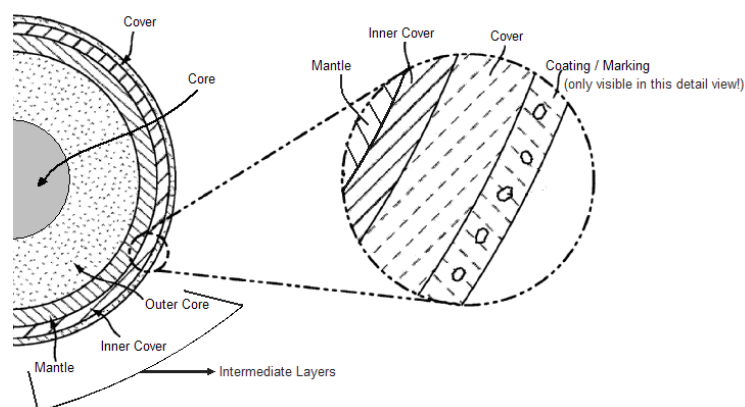
Intermediate layer - every layer therebetween

Therefore:

"Inner cover" - intermediate layer (not Cover)

"Outer core" - intermediate layer (not Core)

This is graphically exemplified as follows:



Other terms:

"Multi-piece" balls - can be used both for three piece balls and balls having two or more intermediate layers.

Weight; Mass - used for, e.g. specific weight, but not for chemical weight ratios.

Core thickness - it must necessarily refer to the "Outer Core" (and, therefore, an Intermediate layer), as a "Core" is defined by its diameter and not by its thickness.

Thread wound core - only used for thread wound cores with nothing inside. It is therefore not to be used when a thread layer is wound around a core which is not thread wound.

## Synonyms and Keywords

*In patent documents the following synonyms to the terms as employed in the scheme are often used:*

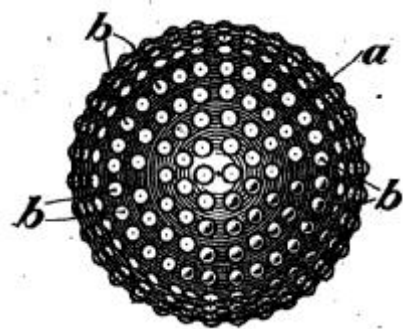
Outer Cover	used for Cover
Shell	an Intermediate layer
Inner Core, Center, Centre	used for Core

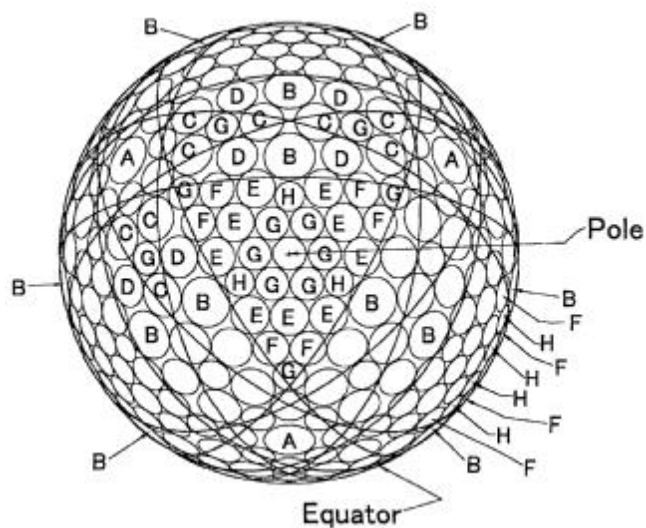
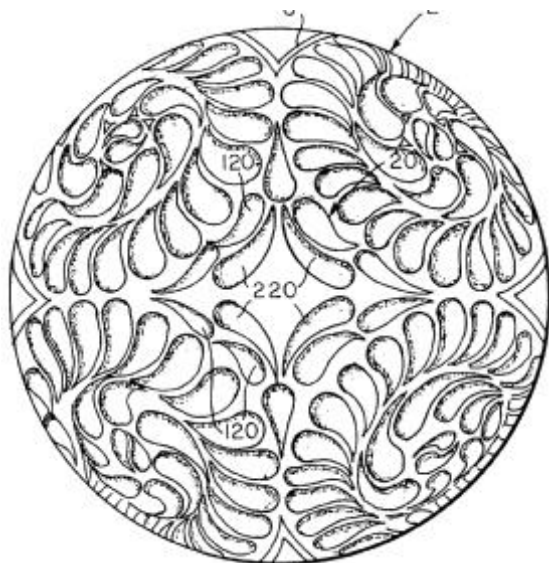
## A63B 37/0005

### {Protrusions}

### Definition statement

*This subgroup covers:*



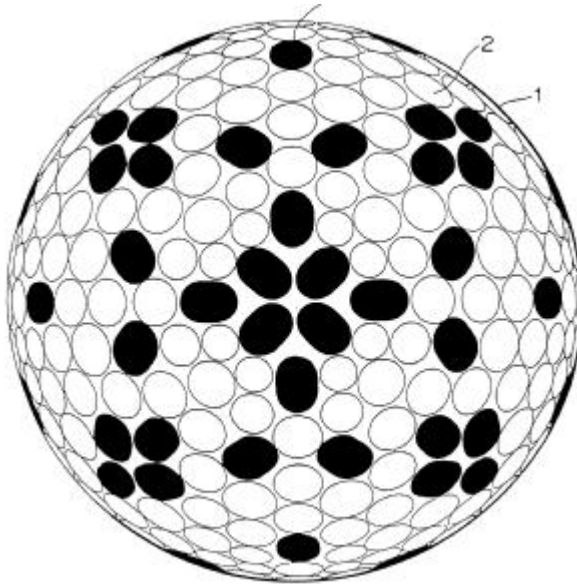
**A63B 37/0006****{Arrangement or layout of dimples}****Definition statement***This subgroup covers:***A63B 37/0007****{Non-circular dimples}****Definition statement***This subgroup covers:*

## A63B 37/0008

{Elliptical}

### Definition statement

*This subgroup covers:*

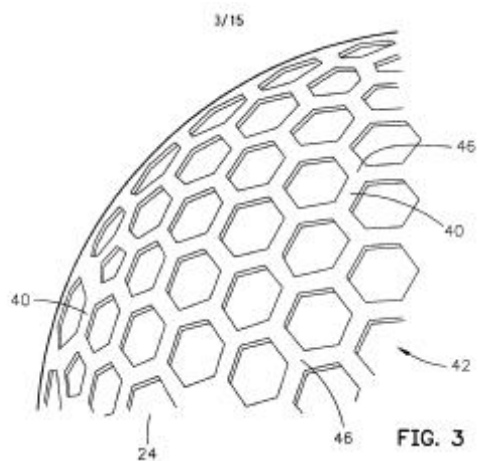


## A63B 37/0009

{Polygonal}

### Definition statement

*This subgroup covers:*

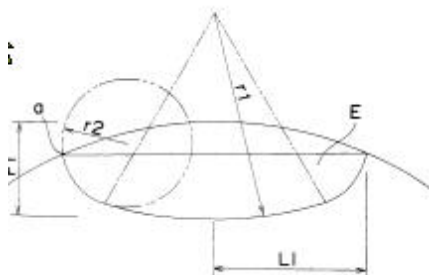


## A63B 37/0012

**{Dimple profile, i.e. cross-sectional view}**

### Definition statement

*This subgroup covers:*



## A63B 37/0022

**{Coatings, markings (methods for marking [A63B 45/02](#))}**

### Definition statement

*This subgroup covers:*

Varnish, paint etc. any thin layer coating the cover. Therefore, this encompasses only the coating and/or markings.

## A63B 37/0023

**{Covers}**

### Definition statement

*This subgroup covers:*

Used only for the Cover.

## A63B 37/0024

**{Materials other than ionomers or polyurethane}**

### Definition statement

*This subgroup covers:*

"Special materials", meaning any materials other than those which are normally used for covers or cores. (Poly)urethanes and ionomers are all normally used in covers, thus not "special".

Any material which makes the cover be translucent is considered "special" and, thus, classified here.

**A63B 37/0039****{Special materials}****Definition statement**

*This subgroup covers:*

"Special materials" means any materials other than those which are normally used for covers or cores. (Poly)butadiene, (Poly)urethanes, ionomers are all normally used, thus not "special".

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Methods of marking	<a href="#">A63B 45/02</a>
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**A63B 37/005****{Cores}****Definition statement**

*This subgroup covers:*

Used only for the Core.

**A63B 37/02**

**Special cores**{([A63B 37/0001](#) , [A63B 37/0003](#) take precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Balls with finger holes, e.g. for bowling	<a href="#">A63B 37/0001</a>
Golf balls	<a href="#">A63B 37/0003</a>

**A63B 37/10**

**with eccentric centre of gravity**

**References relevant to classification in this group**

*This subgroup does not cover:*

Balls with finger holes, e.g. for bowling	<a href="#">A63B 37/0001</a>
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Golf balls	<a href="#">A63B 37/0003</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

(non-solid) balls with an eccentric centre of gravity; with mechanism for changing the centre of gravity	<a href="#">A63B 43/04</a>
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## A63B 37/12

**Special coverings,{i.e. outer layer material([A63B 37/0001](#) , [A63B 37/0003](#) take precedence)}**

### References relevant to classification in this group

*This subgroup does not cover:*

Balls with finger holes, e.g. for bowling	<a href="#">A63B 37/0001</a>
Golf balls	<a href="#">A63B 37/0003</a>

## A63B 37/14

**Special surfaces{([A63B 37/0004](#) takes precedence)}**

### References relevant to classification in this group

*This subgroup does not cover:*

Surface depressions or protrusions on golf balls	<a href="#">A63B 37/0004</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Stitchings	<a href="#">A63B 2037/125</a>
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**A63B 39/00**

**Hollow non-inflatable balls, {i.e. having no valves (rigid balls [A63B 37/00](#))}**

**References relevant to classification in this group**

*This group does not cover:*

Rigid hollow balls	<a href="#">A63B 37/00</a>
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**Special rules of classification within this group**

Hollow rigid balls are classified in [A63B 37/0098](#)

**A63B 39/025**

**{using containers with pressurising means for balls not in use (packages under vacuum or pressure, or special atmospheres [B65D 81/20](#))}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Packages under vacuum or pressure, or special atmospheres	<a href="#">B65D 81/20</a>
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**A63B 41/00**

**Hollow inflatable balls (connecting valves to inflatable elastic bodies [B60C 29/00](#) ; valves, e.g. self-closing valves [F16K](#))**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Connecting valves to inflatable elastic bodies	<a href="#">B60C 29/00</a>
Valves, e.g. self-closing valves	<a href="#">F16K</a>

**A63B 41/12**

**Tools or devices for blowing up or closing balls ({for pricking-balls [A63B 39/04](#)} ; air pumps [F04](#))**

**References relevant to classification in this group**

*This subgroup does not cover:*

Tools for blowing up pricking-balls	<a href="#">A63B 39/04</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Air pumps	<a href="#">F04</a>
Muscle-powered pumps	<a href="#">F04B 33/00</a>

**A63B 43/00**

**Balls with special arrangements**

**References relevant to classification in this group**

*This group does not cover:*

Heavy throwing balls, medicine balls and the like	<a href="#">A63B 65/06</a>
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**A63B 43/002**

**{with special configuration, e.g. non-spherical (discs for throwing [A63B 65/10](#))}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Discs for throwing	<a href="#">A63B 65/10</a>
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**A63B 43/005**

{with adhesive type surfaces, e.g. hook-and-loop type fastener}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

(Sports equipment in general) with adhesive type surfaces, e.g. Velcro	<a href="#">A63B 2209/10</a>
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**A63B 43/007**

{Arrangements on balls for connecting lines or cords}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Balls tethered to a line or cord	<a href="#">A63B 69/0079</a>
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**A63B 43/008**

{with means for improving visibility, e.g. special markings or colours (illuminating or reflecting means [A63B 43/06](#))}

**Definition statement**

*This subgroup covers:*

Means for improving visibility. Special markings or colours. Also special markings or indices for training purposes.

**References relevant to classification in this group**

*This subgroup does not cover:*

Balls with illuminating or reflecting means	<a href="#">A63B 43/06</a>
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**A63B 43/02**

with a handle

**Special rules of classification within this group**

Hopping balls for sitting and bouncing on: [A63B 25/08](#)

**A63B 43/04**

with an eccentric centre of gravity; with mechanism for changing the centre of gravity (solid balls [A63B 37/10](#) ; { motorised rolling toys [A63H 33/005](#)})

**References relevant to classification in this group**

*This subgroup does not cover:*

Cores with an eccentric centre of gravity for solid balls	<a href="#">A63B 37/10</a>
Motorised rolling toys <a href="#">A63H 33/005</a>	<a href="#">A63H 33/005</a>

**A63B 43/06**

with illuminating devices;{with reflective surfaces}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Other means for approving visibility	<a href="#">A63B 43/008</a>
Exercising or sporting devices provided with means enabling use in the dark	<a href="#">A63B 2207/00</a> , <a href="#">A63B 2207/02</a>

**A63B 45/00**

Apparatus or methods for manufacturing balls (working of plastics or substances in a plastic state [B29](#))

**References relevant to classification in this group**

*This group does not cover:*

Producing hollow plastic balls	<a href="#">B29D 22/00</a>
Producing plain plastic balls	<a href="#">B29D 99/0042</a>
Manufacture of vulcanised rubber balls	<b>B29H7/02</b>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Working of plastics or substances in a plastic state	<a href="#">B29</a>
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## A63B 45/02

### Marking of balls

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Identification means which can be read by electronic detection means	<a href="#">A63B 2225/15</a>
Methods of printing	<a href="#">B41M</a>
Printing apparatus	<a href="#">B41F 17/34</a>

## A63B 47/00

**Devices for handling or treating balls,{e.g. for holding or carrying balls(for maintaining ball pressure [A63B 39/02](#) ; ball holders combined with racket presses [A63B 49/16](#) , with racket covers or cases [A63B 49/18](#) , fitted on golf bags [A63B 55/02](#)}}**

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Arrangements for maintaining ball pressure	<a href="#">A63B 39/02</a>
Ball holders combined with racket presses <a href="#">A63B 49/16</a>	<a href="#">A63B 49/16</a>
With racket covers or cases <a href="#">A63B 49/18</a>	<a href="#">A63B 49/18</a>
Fitted on golf bags	<a href="#">A63B 55/02</a>
Machines or devices designed for grinding spherical surfaces or parts of spherical surfaces on work	<a href="#">B24B 11/00</a>

## A63B 47/002

**{Devices for dispensing balls, e.g. from a reservoir (automatic teeing devices [A63B 57/0006](#) ; devices for projecting balls [A63B 69/40](#)}}**

#### References relevant to classification in this group

*This subgroup does not cover:*

Devices for projecting balls	<a href="#">A63B 69/40</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Automatic teeing devices	<a href="#">A63B 57/0006</a>
Devices for alarm or indication, e.g. when empty	<a href="#">G07F 9/02</a>

## A63B 47/008

{Devices for measuring or verifying ball characteristics  
(measuring or testing in general [G01](#))}

## Informative references

Attention is drawn to the following places, which may be of interest for search:

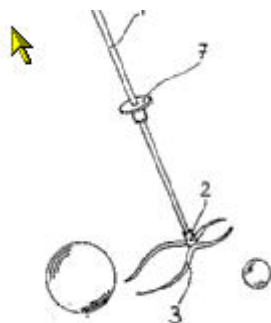
Measuring or testing in general	<a href="#">G01</a>
Mechanical measuring of sport	<a href="#">G01B 5/0023</a>

## A63B 47/02

for picking-up {or collecting}

## Definition statement

This subgroup covers:



## References relevant to classification in this group

This subgroup does not cover:

Analogous devices for inserting a golf tee with a ball on it [A63B 57/0037](#)

**A63B 47/021**

{for picking-up automatically, e.g. by apparatus moving over the playing surface}

**Definition statement**

*This subgroup covers:*

**A63B 2047/022**

{Autonomous machines which find their own way around the playing surface}

**Definition statement**

*This subgroup covers:*

Robot-like machines running around collecting balls, able to respond autonomously to obstacles and the like. Not intended to be used for radio-controlled vehicles operated remotely by a person.

**A63B 47/025**

{Installations continuously collecting balls from the playing areas, e.g. by gravity, with conveyer belts}

**References relevant to classification in this group**

*This subgroup does not cover:*

Golf cups with ejector means	<a href="#">A63B 57/0062</a>
Targets or goals with ball returning means	<a href="#">A63B 2063/001</a>

**A63B 47/04**

for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys [A63D 5/10](#))

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Apparatus for cleaning balls, as accessories for bowling- or table alleys	<a href="#">A63D 5/10</a>
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**A63B 49/00**

Tennis, badminton, or like rackets

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Resonance frequency related characteristics	<a href="#">A63B 2059/0003</a>
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**Special rules of classification within this group**

Aspects of inventions which relate to various types of sports bats, of which rackets are just one example, are to be classified in [A63B 59/00](#) and subgroups, e.g. shock damping means equally applicable to rackets, golf clubs and other sports bats are to be classified in [A63B 59/0092](#)

Details of manufacturing methods are additionally classified according to the relevant manufacturing process

**A63B 49/002**

{String guides on frames}

**Definition statement**

*This subgroup covers:*

e.g. grommets.

**References relevant to classification in this group**

*This subgroup does not cover:*

Stringing tennis rackets	<a href="#">A63B 51/00</a>
Devices arranged in or on the racket for adjusting the tension of the strings	<a href="#">A63B 51/12</a>

**A63B 49/005****{Means for clamping string ends on frames}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Using strings with different characteristics on the same frame	<a href="#">A63B 2051/001</a>
Using strings with different cross-sections, e.g. different thickness, on the same frame	<a href="#">A63B 2051/002</a>
Using strings with different tension on the same frame	<a href="#">A63B 2051/004</a>
With non-circular cross-section	<a href="#">A63B 2051/026</a>
Devices arranged in or on the racket for adjusting the tension of the string	<a href="#">A63B 51/12</a>

**A63B 49/007****{Means for achieving greater mobility of the string bed}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Using strings with different characteristics on the same frame	<a href="#">A63B 2051/001</a>
Using strings with different cross-sections, e.g. different thickness, on the same frame	<a href="#">A63B 2051/002</a>
Using strings with different tension on the same frame	<a href="#">A63B 2051/004</a>
With non-circular cross-section	<a href="#">A63B 2051/026</a>

**Special rules of classification within this group**[A63B 51/12](#) takes precedence.**A63B 49/02****Frames****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Resonance frequency related characteristics	<a href="#">A63B 2059/0003</a>
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**A63B 49/027**

**{Throat section, i.e. sections and elements between head and handle}**

**Definition statement**

*This subgroup covers:*

Throat sections, i.e. not necessarily a separate piece.

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

With variable thickness of the head in a direction perpendicular to the string plane	<a href="#">A63B 2049/0211</a>
With variable thickness of the head in the string plane	<a href="#">A63B 2049/0217</a>

**A63B 49/0276**

**{T-shaped connection elements between head and handle}**

**Definition statement**

*This subgroup covers:*

e.g. typically found in badminton racquets

**A63B 49/0294**

**{with head subframes for replacing the stringing}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Pre-woven string-sets ready for insertion into a frame	<a href="#">A63B 51/007</a>
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**A63B 49/04**

**with balancing devices{(A63B 59/0092 , A63B 59/0096 take precedence)}**

**Definition statement**

*This subgroup covers:*

It is used for every kind of bat, not only for rackets.

## References relevant to classification in this group

*This subgroup does not cover:*

Means for damping vibration	<a href="#">A63B 59/0092</a>
Movable ballast means for varying the centre of mass during the stroke, e.g. by centrifugal force	<a href="#">A63B 59/0096</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Clubs, e.g. for swinging exercises, with a weight movable along the longitudinal axis of the club due to centrifugal forces	<a href="#">A63B 15/005</a>
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## A63B 49/06

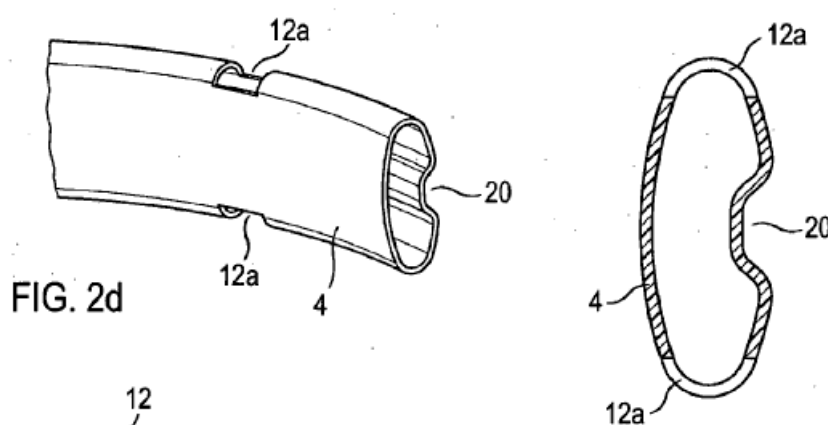
with slits{(slits for guiding strings [A63B 49/002](#) ; slits for cooling or ventilation [A63B 59/0037](#))}

## Definition statement

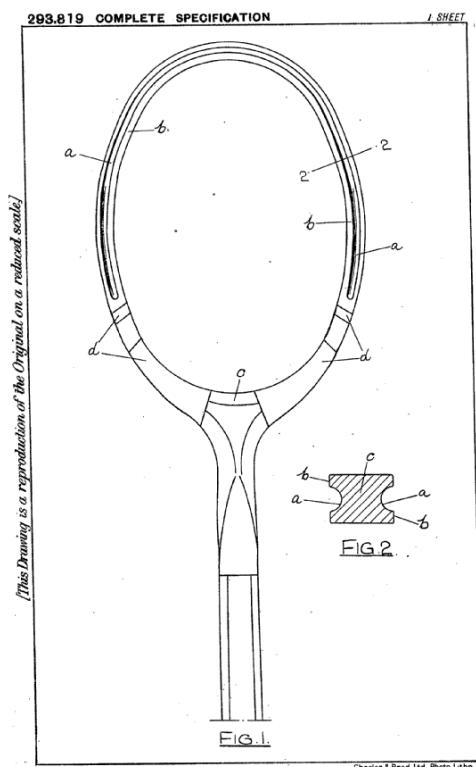
*This subgroup covers:*

Bat frames with long narrow cuts or openings. They might traverse the frame or not.

It is used for every kind of bat, not only for rackets.



Example of a long narrow traversing opening.



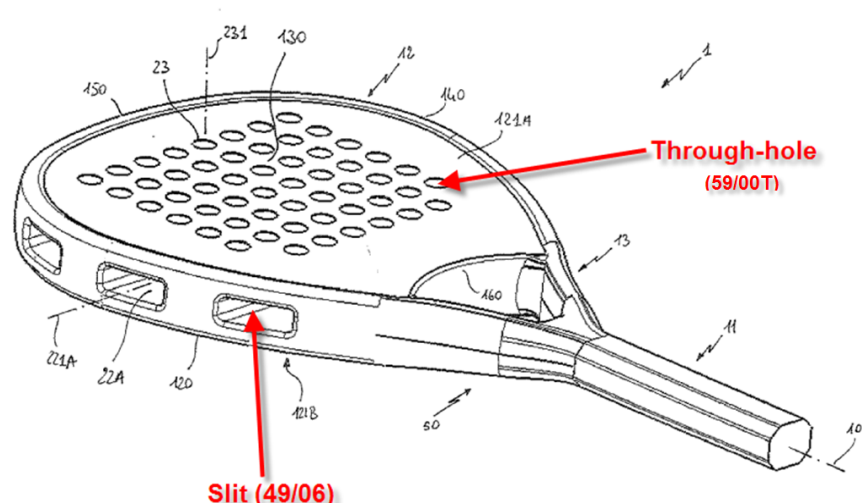
Example of a long narrow cut (i.e. non-traversing): GB293819

### References relevant to classification in this group

*This subgroup does not cover:*

Slits for guiding strings	<a href="#">A63B 49/002</a>
Slits whose features, effects or function are to be classified according to the specific scheme for golf club heads, or that conform normal design features of a golf club head, such as the grooves on impact surface	<a href="#">A63B 53/14</a> and sub-groups
Bats with through holes (note: holes traversing the solid parts of the bat and which are not slits, i.e. non-elongated)	<a href="#">A63B 59/0088</a>

Example of through hole ([A63B 59/0088](#)) vs. slit ([A63B 49/06](#)):



## Informative references

Attention is drawn to the following places, which may be of interest for search:

Bats with corrugated cross sections (e.g. with a plurality of slits in the longitudinal direction)	<a href="#">A63B 59/0077</a>
Bat handles or grips with holes for cooling, ventilating or sweat-reduction	<a href="#">A63B 59/0037</a>
Rackets comprising a wooden blade with perforations as a substitute for the strings	<a href="#">A63B 2051/045</a>

## Special rules of classification within this group

Bat handles or grips with holes in the form of slits for cooling, ventilating or sweat-reduction are classified in [A63B 59/0037](#)

## A63B 49/08

with special construction of the handle

## Relationship between large subject matter areas

See also [B25G 1/00](#) for handle construction and [B25G 3/00](#) for fitting the handle on a shaft

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Special means for attachment of arms or hands to exercising or sports equipment	<a href="#">A63B 21/1434</a>
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Throat sections with two legs having mutually different constructions	<a href="#">A63B 2049/0282</a>
Handles or grips for bats	<a href="#">A63B 59/0014</a>

### Special rules of classification within this group

Details are also to be classified in subgroups of [A63B 59/0014](#) where appropriate

## A63B 49/10

made of non-metallic materials, other than wood

### Special rules of classification within this group

Characteristics of materials are classified in [A63B 2209/00](#) and subgroups, e.g. long, oriented fibres, e.g. wound filaments, woven fabrics, mats  
[A63B 2209/023](#)

## A63B 49/12

made of metal

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Resonance frequency related characteristics	<a href="#">A63B 2059/0003</a>
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## A63B 49/16

Presses, {e.g. with ball holders (ball holders in general  
[A63B 47/00](#))}

### Definition statement

*This subgroup covers:*

Devices for pressing racket frames in order to keep the frame flat. Some presses have ball holders, but this feature is not essential for a press.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Ball holders in general	<a href="#">A63B 47/00</a>
-------------------------	----------------------------

**A63B 49/18**

**Covers {or cases, e.g. with ball holders(ball holders in general [A63B 47/00](#))}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Ball holders in general	<a href="#">A63B 47/00</a>
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**A63B 51/00**

**Stringing tennis rackets{(string guides on frames [A63B 49/002](#) ; clamping strings on frames [A63B 49/005](#))}**

**References relevant to classification in this group**

*This group does not cover:*

String guides on frames	<a href="#">A63B 49/002</a>
Camping strings on frames	<a href="#">A63B 49/005</a>

**A63B 51/005**

**{Devices for measuring the tension of the string (for controlling the tension during stringing [A63B 51/14](#) ; measuring force, in general [G01L](#))}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Devices for controlling the tension during stringing	<a href="#">A63B 51/14</a>
Measuring force, in general	<a href="#">G01L</a>
Apparatus for or methods of measuring the tension in ropes, cables, wires, threads, belts, bands or like flexible members	<a href="#">G01L 5/04</a>

## A63B 51/007

{Pre-woven string-sets ready for insertion into a frame}

### Special rules of classification within this group

Head subframes for replacing the stringing [A63B 49/0294](#).

## A63B 51/02

Strings; String substitutes;{Products applied on strings, e.g. for protection against humidity or wear(ropes or cables in general [D07B](#); yarns or threads for use in sports applications [D02G 3/444](#) ; mechanical methods or apparatus in the manufacture of artificial filaments, threads, fibres, bristles or ribbons [D01D](#); strings for musical instruments [G10D 3/10](#))}

### Definition statement

*This subgroup covers:*

Strings for sports rackets.

### Relationship between large subject matter areas

Methods of making a string for a racquet are usually classified in [D02G 3/444](#)

Yarn or threads for use in sports applications are ALSO classified in [D02G 3/444](#)

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Ropes or cables in general	<a href="#">D07B</a>
Yarns or threads for use in sports applications	<a href="#">D02G 3/444</a>
Mechanical methods or apparatus in the manufacture of artificial filaments, threads, fibres, bristles or ribbons	<a href="#">D01D</a>
Strings for musical instruments	<a href="#">G10D 3/10</a>

## A63B 53/00

**Golf clubs**{(cleaning or maintenance [A63B 57/0087](#) ; measuring, verifying or correcting golf-club characteristics [A63B 59/0074](#) ; clubs or attachments on clubs for golf training [A63B 69/3632](#))}

### Definition statement

*This group covers:*

Golf clubs considered as a whole, e.g. documents disclosing clubs characterised by the form, balance, swingweight or frequency of the overall club. In many cases the documents should also be classified in subgroups for individual characteristics (see Technical Relationships).

### Relationship between large subject matter areas

For special materials or manufacturing processes, the specific field concerned should be consulted, e.g. forged product [B21K](#); making sport articles [B21K 17/00](#); casting [B22D](#); casting of metals/special casting [B22D 19/00](#) [B22D 25/02](#); welding [B23K](#); laser welding [B23K 26/00](#); shaping composites [B29C 70/00](#); sport equipment [B29L 2031/52](#) ; clubs [B29L 2031/5227](#) ; producing articles from plastics [B29D](#); heat treatment [C21D](#); alloys [C22C 19/055](#); metal matrix composite [C22C 32/00](#); casting metallic material [C23C](#).

Also classify where appropriate in [A63B 2053/002](#), [A63B 2053/005](#) (club sets), [A63B 2059/0003](#), (resonance frequency related characteristics), and classes relating to specific parts of the club.

### References relevant to classification in this group

*This group does not cover:*

Devices for measuring, verifying or correcting golf club characteristics	<a href="#">A63B 59/0074</a>
Cleaning or maintenance of golf-clubs, putters, shoes or other golf accessories	<a href="#">A63B 57/0087</a>
Clubs or attachments on clubs for golf training	<a href="#">A63B 69/3632</a>
Clubs or attachments on clubs for putting	<a href="#">A63B 69/3685</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Documents relating to bats for sporting games in general	<a href="#">A63B 59/00</a>
--	----------------------------

## Special rules of classification within this group

Aspects of inventions which relate to various types of sports bats, of which golf clubs are just one example, are classified in [A63B 59/00](#) and subgroups, e.g. shock damping means equally applicable to golf clubs, tennis rackets and other sports bats are classified in [A63B 59/0092](#).

### A63B 2053/005

**{Club sets}**

#### Definition statement

*This subgroup covers:*

This group relates to sets of golf clubs, i.e. golf clubs related by a common characteristic throughout the series, e.g. length, swingweight, resonant frequency. The characteristic may be constant or progressive throughout the set.

### A63B 2053/021

**{the shaft axis being forwardly offset relative to the striking face of the head}**

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Handle for bats in general whose axis is different from the main axis of the bat	<a href="#">A63B 59/0055</a>
--	------------------------------

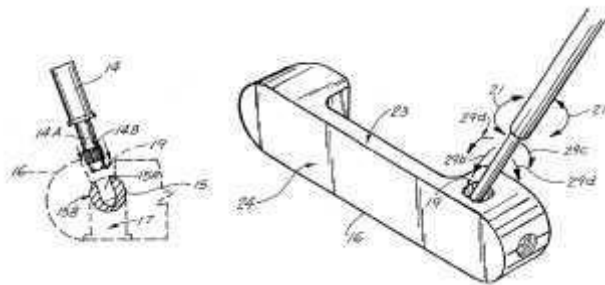
## A63B 2053/023

{adjustable angular orientation}

### Definition statement

*This subgroup covers:*

Golf clubs in which the angular orientation of the shaft relative to the head can be adjusted, e.g. US5511779 (see image below).



### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Substantially flexible or hinged shafts	<a href="#">A63B 2059/0081</a>
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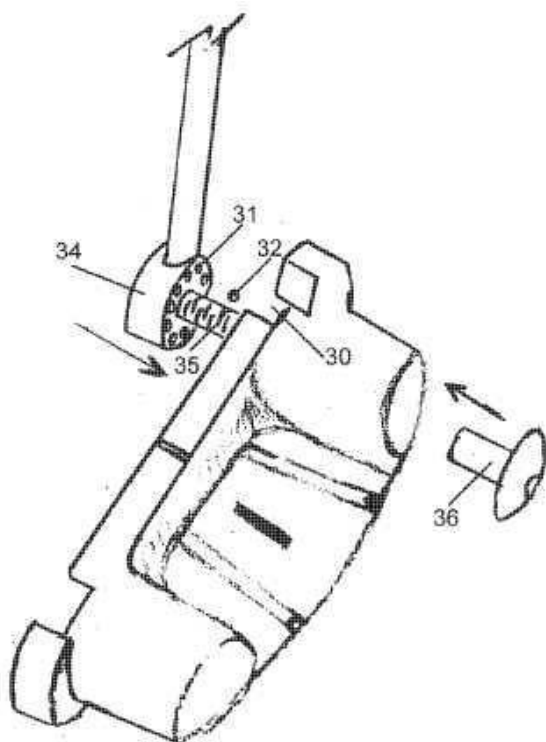
## A63B 2053/025

{lie angle only, i.e. relative angular adjustment between the shaft and the club head about an axis parallel to the intended line of play when the club is in its normal address position}

### Definition statement

*This subgroup covers:*

Golf clubs in which the lie angle of the shaft relative to the head can be adjusted, e.g. US2009264215 (see image below).



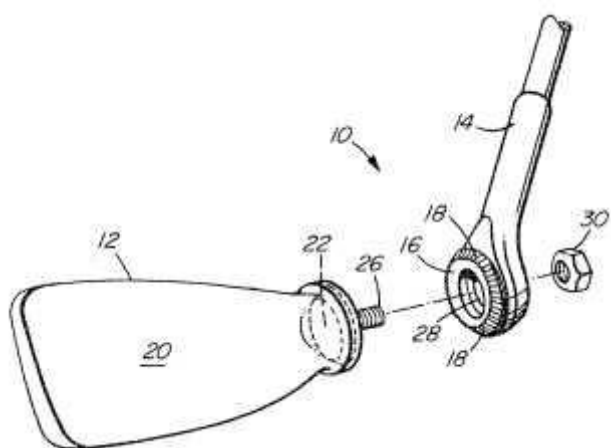
## A63B 2053/026

{loft angle only, i.e. relative angular adjustment between the shaft and the club head about a horizontal axis perpendicular to the intended line of play when the club is in its normal address position}

### Definition statement

*This subgroup covers:*

Golf clubs in which the loft angle of the shaft relative to the head can be adjusted, e.g. US5928087 (see image below).



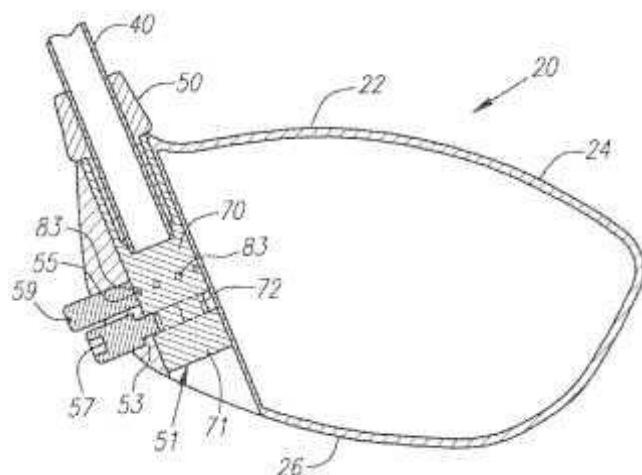
## A63B 2053/027

{about the longitudinal axis of the shaft only}

### Definition statement

*This subgroup covers:*

Golf clubs in which the shaft can be adjusted about its longitudinal axis relative to the head, e.g. US6368230 (see image below).



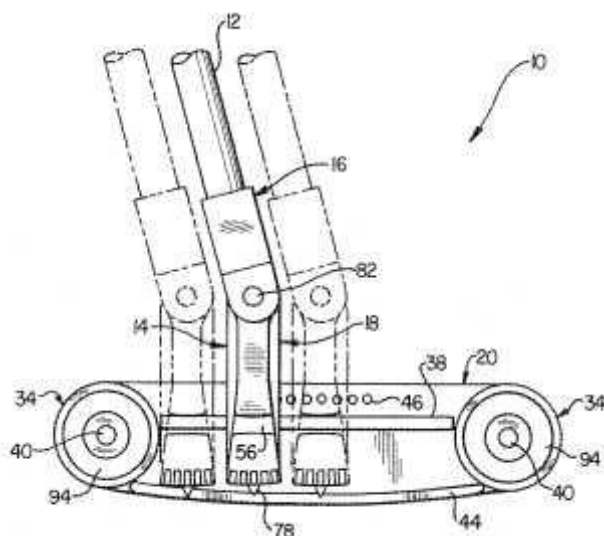
## A63B 2053/028

{with a range of alternative attachment points for the shaft}

### Definition statement

*This subgroup covers:*

Golf clubs in which the shaft can be attached to the head at any of a range of alternative attachment points, e.g. US5533730 (see image below).



## A63B 53/04

### Heads

#### Relationship between large subject matter areas

Documents which apply to nonspecific golf clubs including putters must be classified in both [A63B 53/04](#) and [A63B 53/0487](#).

Documents relating to woods must be classified in [A63B 53/0466](#).

Documents relating to irons must be classified in [A63B 53/047](#).

#### Special rules of classification within this group

Multiple entry classification is used, i.e. documents are classified in each subgroup that is applicable.

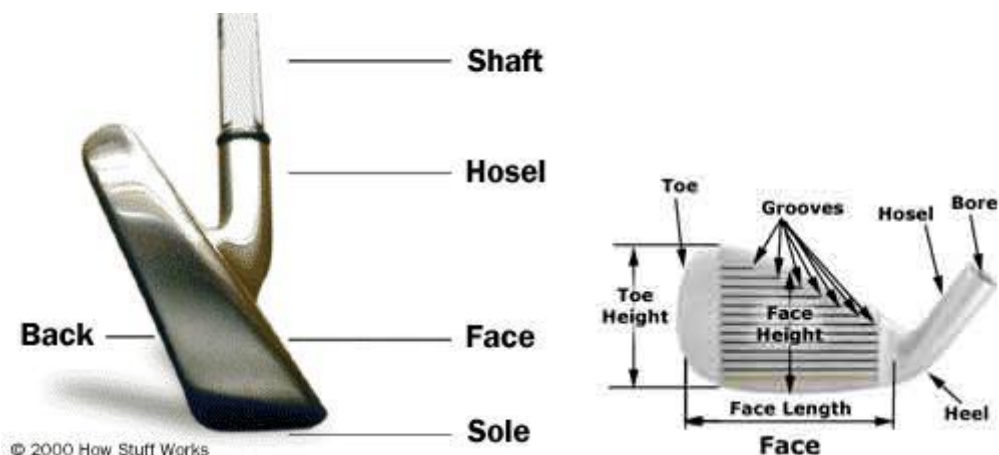
Club heads with the following features are additionally classified as follows:

- sets of golf clubs, i.e. in which the heads are related throughout the set by a constant or progressive characteristic, in [A63B 2053/005](#);
- club heads with a face insert in [A63B 2053/0416](#);
- special sole configurations in [A63B 2053/0433](#);
- visual indicators for aligning the golf club in [A63B 2053/0441](#);
- heads with added weights, e.g. changeable, replaceable, in [A63B 2053/0491](#);
- materials in [A63B 2209/00](#) and subgroups.

Putter heads are classified in [A63B 53/0487](#).

Adjustable heads are classified in [A63B 53/06](#).

#### Synonyms and Keywords



**A63B 2053/0416****{Heads with an impact surface provided by a face insert}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Striking surfaces in general coated with high-friction abrasive material	<a href="#">A63B 2059/0007</a>
--	--------------------------------

**A63B 2053/0437****{with special crown configurations}****References relevant to classification in this group***This subgroup does not cover:*

Heads with visual indicators for aligning the golf club	<a href="#">A63B 2053/0441</a>
---	--------------------------------

**A63B 2053/0441****{with visual indicators for aligning the golf club}****References relevant to classification in this group***This subgroup does not cover:*

Aiming or aligning devices for training purposes, for woods and irons ; for putters	<a href="#">A63B 69/3632</a> <a href="#">A63B 69/3685</a>
---	--

**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Heads with special crown configurations	<a href="#">A63B 2053/0437</a>
---	--------------------------------

**Special rules of classification within this group**

Considering that almost all putter heads and many woods have some form of visual indicator for aligning the golf club, this class is only given to those documents which describe details of the visual indicator, or in which the visual indicator differs from a standard marking.

## A63B 2053/0445

**{Details of grooves or the like on impact surface}**

### Definition statement

*This subgroup covers:*

Details of the surface of the striking face, e.g. special groove features, other protrusions or indentations.

### Special rules of classification within this group

Note: with the exception of putters, almost all golf clubs have a grooved striking face. This class is only for golf clubs in which the surface is specified in detail; golf clubs for which it is merely stated that the striking surface with no further detail should not be classified here.

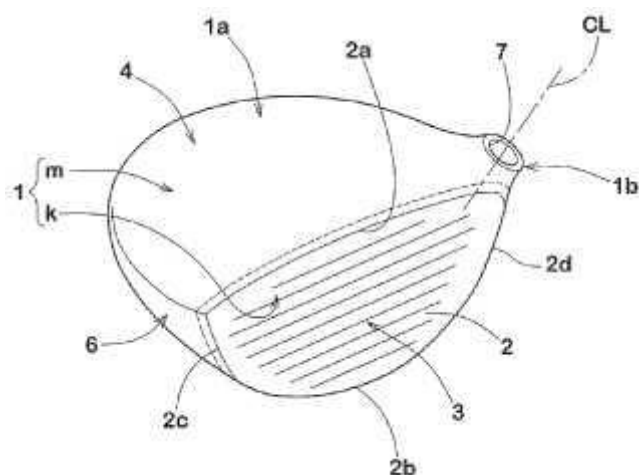
## A63B 53/0466

**{wood-type}**

### Definition statement

*This subgroup covers:*

Traditional wooden golf club heads, and also heads made of other materials but similar in shape to traditional wooden heads, e.g. US2009258727 (see image below). The front-to-rear length of the head is normally greater than the height, providing for a centre of gravity positioned far behind the striking face. These heads are for long-distance shots.



## Glossary of terms

*In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

A wood-type golf club head	has a large, bulbous form usually with a convexly curved strike face and is used for hitting the ball long distances. They were traditionally solid wooden heads, but are nowadays usually in the form of hollow shells using strong, lightweight materials, e.g. titanium, fibre composite.
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## Synonyms and Keywords

Hybrid club: a hybrid club combines the playing characteristics of both woods and irons.

Hybrid wood: a club which has a convexly curved strike face like a wood but which is usually lower from crown to sole than a wood and does not extend as far back from the strike face to the rear of the head. It may be solid or hollow.

## A63B 53/047

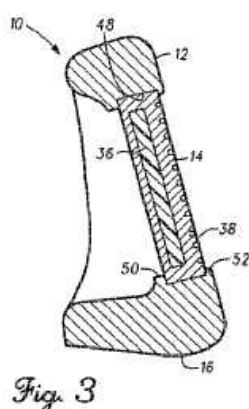
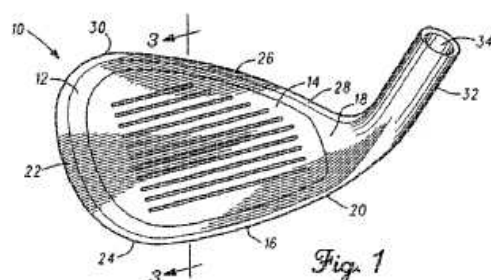
**{iron-type}**

## Definition statement

*This subgroup covers:*

Golf club heads resembling the type that was traditionally made of solid iron or steel, typically with a large, flat, angled striking face, usually having grooves

to increase friction with a golf ball, e.g. GB2451317 (see image below). This group also club heads of similar shape but made of other materials.



### Special rules of classification within this group

Irons with a cavity back, i.e. perimeter weighting but with the cavity open towards the rear of the club, should be classified here.

Irons with a hollow space which is completely closed on all sides including towards the rear should be classified in [A63B 53/0475](#).

### Glossary of terms

*In this subgroup, the following terms (or expressions) are used with the meaning indicated:*

Iron -type golf club head	traditionally has a thin, blade-like body, usually with a planar strike face, and is made of iron or steel (forged or cast). Similar-shaped heads made of other materials, e.g. titanium, fibre composite, also fall into this category.
Cavity backs	Many irons feature peripheral weighting on some or all of the perimeter of the rear surface. Irons with weighting around most or all of the perimeter are known as "cavity backs".

## A63B 53/0475

{with one or more enclosed cavities}

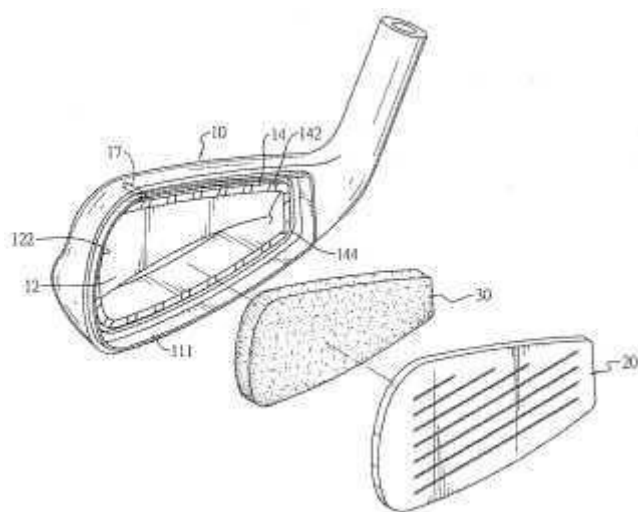
### Definition statement

*This subgroup covers:*

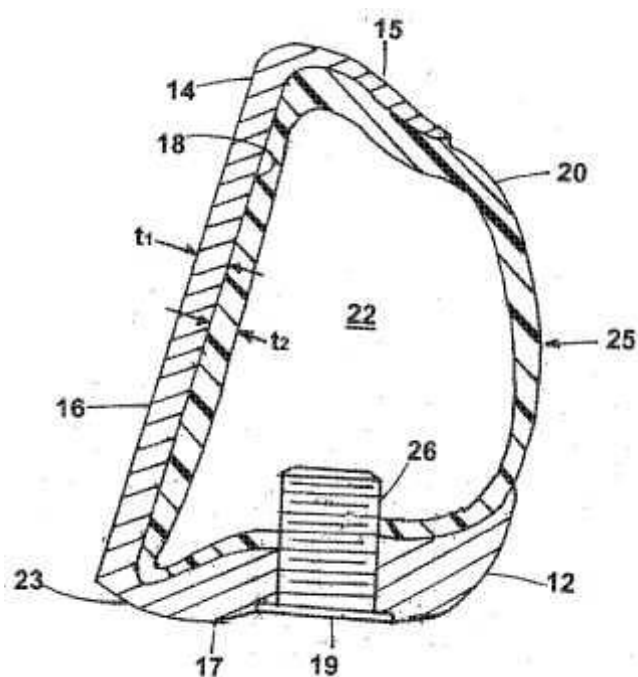
Irons with a hollow space which is completely closed on all sides and towards the rear.

Examples:

US2005209023



US2004266550



## Informative references

Attention is drawn to the following places, which may be of interest for search:

Hybrid wood	<a href="#">A63B 53/0466</a>
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## Special rules of classification within this group

Irons with a cavity back, i.e. perimeter weighting but with the cavity open towards the rear of the club, should be classified in [A63B 53/047](#).

## Synonyms and Keywords

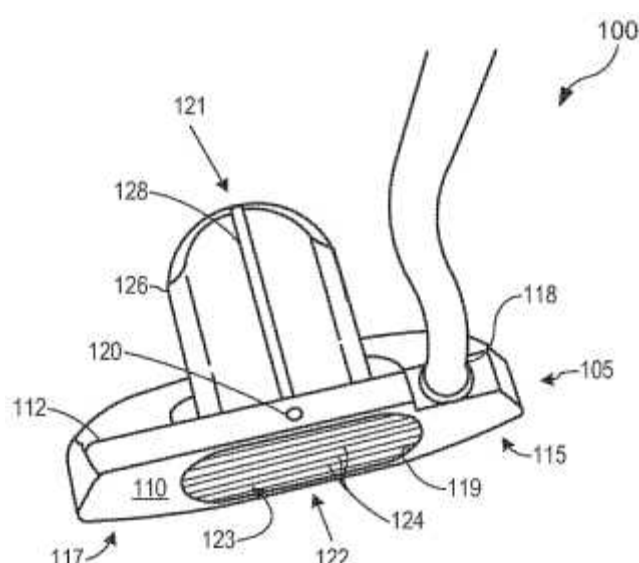
Hybrid club	a hybrid club combines the playing characteristics of both woods and irons.
Hybrid iron	a club which has a flat strike face like a traditional iron but which usually has an enclosed volume behind the strike face, providing a larger moment of inertia and a centre of gravity which is displaced further behind the strike face compared with a traditional iron.

## A63B 53/0487

{for putters ([A63B 53/065](#) takes precedence)}

## Definition statement

*This subgroup covers:*



e.g. US2007243950

## References relevant to classification in this group

*This subgroup does not cover:*

Adjustable heads for putters	<a href="#">A63B 53/065</a>
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## A63B 2053/0491

{with added weights, e.g. changeable, replaceable}

## References relevant to classification in this group

*This subgroup does not cover:*

Normal golf clubs with externally attached weights, e.g. for warming-up	<a href="#">A63B 69/3638</a>
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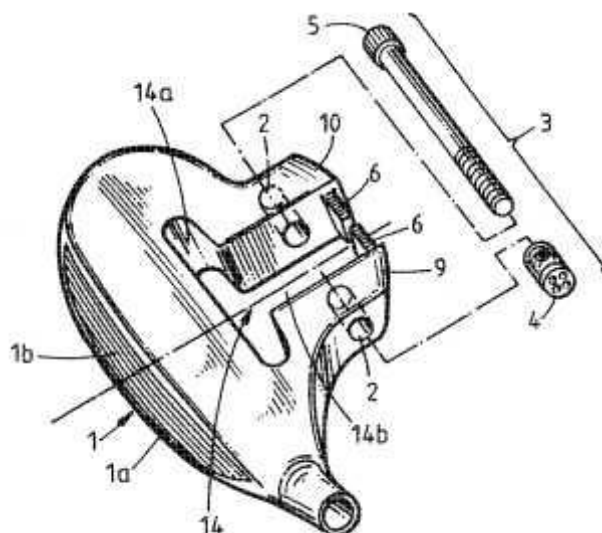
## A63B 53/06

**adjustable**

## Definition statement

*This subgroup covers:*

Golf club heads with some form of adjustment means for varying the characteristics of the club head, e.g. US5501453, which displays adjustment means 3 (see image below).



## Special rules of classification within this group

Golf club heads with added weights, e.g. changeable, replaceable, but not otherwise adjustable, should be classified in [A63B 2053/0491](#) and one or more of [A63B 53/04](#), [A63B 53/0466](#), [A63B 53/047](#) and [A63B 53/0475](#).

## A63B 53/065

{for putters}

## Definition statement

*This subgroup covers:*

Putter heads with some form of adjustment means for varying the characteristics of the head, e.g. US2011/014994, which displays a rotatable face (see image below).

Patent Application Publication Jan. 20, 2011 Sheet 3 of 13 US 2011/0014994 A1

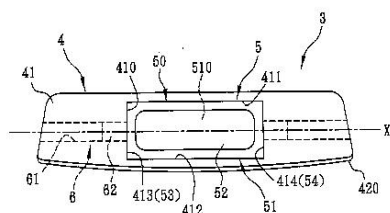


FIG. 3

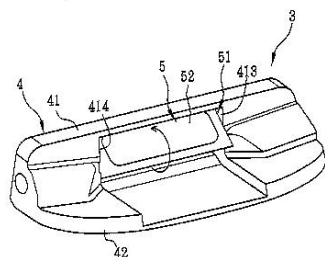


FIG. 4

## Special rules of classification within this group

Putter heads with added weights, e.g. changeable, replaceable, but not otherwise adjustable, should be classified in [A63B 2053/0491](#) and [A63B 53/0487](#).

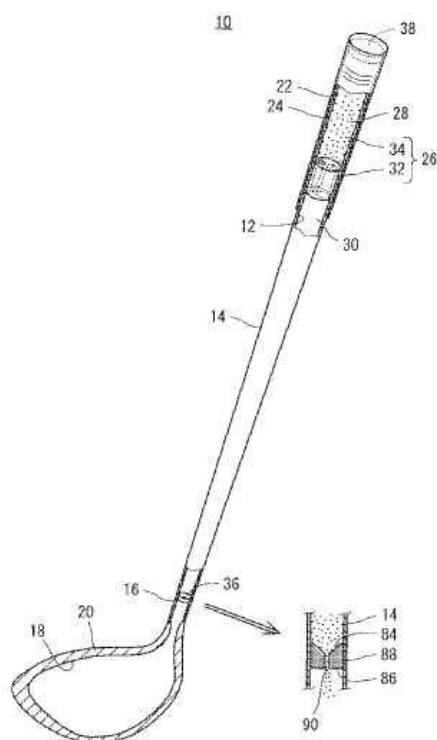
## A63B 53/08

with special arrangements for obtaining a variable impact

### Definition statement

*This subgroup covers:*

Golf clubs with some form of adjustment means for varying the characteristics of the club, e.g. the club's balance or centre of gravity. See for example WO2007111272, which displays a changing head weight (see image below).



### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

User-manipulated weights; fluids, e.g. water	<a href="#">A63B 21/0602</a>
Resisting devices with rotary bodies; flywheels	<a href="#">A63B 21/225</a>
Striking surfaces coated with high-friction abrasive material	<a href="#">A63B 2059/0007</a>

## A63B 53/10

{Shafts, e.g.}non-metallic shafts{(metallic [A63B 53/12](#))}

### Definition statement

*This subgroup covers:*

This class is for shafts made of composite materials and other non-metallic materials. This class is also given for characteristics of a shafts where the material is not mentioned and/or is not important to the invention.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Metallic golf club shafts	<a href="#">A63B 53/12</a>
Shaft materials	<a href="#">A63B 2209/00</a>
Means for damping vibration	<a href="#">A63B 59/0092</a>
Weighted handle	<a href="#">A63B 53/145</a>
Resonance frequency related characteristics	<a href="#">A63B 2059/0003</a>
Substantially flexible shafts, hinged shafts	<a href="#">A63B 2059/0081</a>
Telescopic shafts	<a href="#">A63B 2059/0085</a>
Size reducing arrangements for stowing or transport	<a href="#">A63B 2210/50</a>

### Special rules of classification within this group

Considering that all golf clubs have a shaft, this class is not required for documents mentioning a particular type of shaft if the shaft itself is not important to the invention disclosed and is well known per se; in such a case, classifying the invention alone is considered sufficient.

This class is also not required for documents disclosing a golf club in which the otherwise well known shaft is chosen to provide a golf club with specific characteristics. For example, a golf club with a carefully selected resonant frequency based on the length and stiffness of the shaft and the mass of the club head should be classified in [A63B 53/00](#) and [A63B 2059/0003](#) ; a set of such clubs should also be classified in [A63B 2053/005](#).

Documents relating to methods of manufacturing composite shaft should also be classified in [B29C](#).

## A63B 53/12

### Metallic shafts

#### Definition statement

*This subgroup covers:*

This class is for shafts made of metallic materials.

#### References relevant to classification in this group

*This subgroup does not cover:*

Shafts made of a composite material comprising metallic and non-metallic materials	<a href="#">A63B 53/10</a> .
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#### Special rules of classification within this group

This class is not required for documents mentioning a particular type of metallic shaft if the shaft itself is not important to the invention disclosed and is well known per se; in such a case, classifying the invention alone is considered sufficient.

This class is also not required for documents disclosing a golf club in which an otherwise well known metallic shaft is chosen to provide a golf club with specific characteristics. For example, a golf club with a carefully selected resonant frequency based on the length and stiffness of the shaft and the mass of the club head should be classified in [A63B 53/00](#) and [A63B 2059/0003](#) ; a set of such clubs should also be classified in [A63B 2053/005](#)

## A63B 53/14

### Handles

#### Definition statement

*This subgroup covers:*

This class is for documents relating to the area or areas of the golf club gripped by the golfer when playing golf. It is for grips covering a part or parts of the club shaft. It is also for "gripless" shafts, i.e. shafts intended to be grasped directly by the hands of the golfer without an attached grip member.

#### References relevant to classification in this group

*This subgroup does not cover:*

Fitting handle on shaft	<a href="#">B25G 3/00</a>
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## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Handles for bats	<a href="#">A63B 59/0014</a>
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## Special rules of classification within this group

"Gripless" shafts, i.e. shafts intended to be grasped directly by the hands of the golfer without an attached grip member, are to be classified here and also in [A63B 53/10](#) or [A63B 53/12](#).

Details are also to be classified in subgroups of [A63B 59/0014](#) where appropriate.

## A63B 53/145

### {Weighted handles}

## Definition statement

*This subgroup covers:*

This sub-group is also used for handles of any other kind of bat, not only for golf clubs.

## Special rules of classification within this group

This sub-group is also used for handles of any other kind of bat, not only for golf clubs; therefore, a weighted golf club handle must be classified both in [A63B 53/14](#) and in [A63B 53/145](#).

## A63B 53/16

### adjustable

## References relevant to classification in this group

*This subgroup does not cover:*

Weighted handles, e.g. with removable weights	<a href="#">A63B 53/145</a> .
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## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Telescopic shafts	<a href="#">A63B 2059/0085</a>
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**A63B 55/00**

**Bags for golf clubs; Stands for golf clubs for use on the course**

**Definition statement**

*This group covers:*

Golf bags.

**References relevant to classification in this group**

*This group does not cover:*

Stands for golf clubs for use on the course	<a href="#">A63B 55/10.</a>
Harness for carrying a golf bag	<a href="#">A45F 3/02</a>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Security means for locking golf clubs in the bag	<a href="#">A63B 2055/002</a>
Apparatus or equipment provided with article holders	<a href="#">A63B 2225/68</a>

**A63B 2055/001**

**{Warning devices for indicating missing golf clubs}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Theft alarms	<a href="#">G08B 13/00</a>
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**A63B 2055/002**

**{Security means for locking golf clubs in the bag}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Covers or hoods for golf bags	<a href="#">A63B 55/004</a>
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**A63B 55/004****{Covers or hoods for golfbags}****References relevant to classification in this group***This subgroup does not cover:*

Covers for club heads	<a href="#">A63B 55/007</a>
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**A63B 55/005****{releasably attached}****Definition statement***This subgroup covers:*

This class is for covers which are removable from the golf bag. Such covers or hoods can either cover the opening of the bag or enclose the whole bag, e.g. travel bags or cases for golf bags.

**A63B 55/007****{Covers for golf club heads; Connector means therefor}****References relevant to classification in this group***This subgroup does not cover:*

Covers or hoods for golf bags	<a href="#">A63B 55/004</a>
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**A63B 55/008**

**{Releasably mounted accessories fitted outside the bag, e.g. straps or holders ([A63B 55/02](#) and [A63B 55/04](#) take precedence; covers for golfbags [A63B 55/004](#) ; covers for club heads [A63B 55/007](#))}**

**References relevant to classification in this group***This subgroup does not cover:*

Covers or hoods for golf bags	<a href="#">A63B 55/004</a>
Covers for golf club heads	<a href="#">A63B 55/007</a>
Golf bags with special or detachable receptacles for the balls	<a href="#">A63B 55/02</a>
Supports for golf bags	<a href="#">A63B 55/04</a>

Details of carrying straps	<a href="#">A45F 3/00</a>
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## A63B 55/02

with special {or detachable}receptacles for the balls

### References relevant to classification in this group

*This subgroup does not cover:*

Ball holders	<a href="#">A63B 47/00</a>
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## A63B 55/04

Supports,{e.g.}with devices for anchoring to the ground

### Definition statement

*This subgroup covers:*

Support means for golf bags

### References relevant to classification in this group

*This subgroup does not cover:*

Supports (other than bags) for golf clubs on the golf course	<a href="#">A63B 55/10</a>
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## A63B 55/08

Wheeled carriers for golf bags (running gear or propulsion features [B60](#) ; { insofar as the features thereof are generic to hand carts [B62B](#)})

### References relevant to classification in this group

*This subgroup does not cover:*

Running gear or propulsion features	<a href="#">B60</a>
Insofar as the features thereof are generic to hand carts	<a href="#">B62B</a>
Trolley adapted to receive an ordinary/unspecified bag	<a href="#">B62B 1/00</a>
Accessories or details for handcarts	<a href="#">B62B 5/00</a>
Trolleys or handcarts for carrying golf articles, e.g. golf bags	<a href="#">B62B 2202/404</a>

Trolleys or handcarts for carrying golf clubs, i.e. not in a golf bag	<a href="#">B62B 2202/406</a>
Foldable or dismountable when not in use	<a href="#">B62B 2205/00</a>

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring distance travelled:	<a href="#">A63B 2220/20</a>
Measuring distance traversed for golf carts	<a href="#">G01C 22/004</a>

## A63B 2055/082

**{Means for mounting weather shields, e.g. umbrellas, on caddies}**

### References relevant to classification in this group

*This subgroup does not cover:*

Weather shields for a golf buggy	<a href="#">B60J 7/10</a>
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### Informative references

Attention is drawn to the following places, which may be of interest for search:

Umbrellas	<a href="#">A45B 11/00</a>
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## A63B 55/10

**Stands for golf clubs,{e.g.}for use on the course;{Golf club holders, racks or presses}**

### Definition statement

*This subgroup covers:*

Means for carrying one or more golf clubs, or for supporting one or more golf clubs fully or partially above the ground.

### References relevant to classification in this group

*This subgroup does not cover:*

Golf bags	<a href="#">A63B 55/00</a>
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Accessories for stowing or putting away equipment for games played with rackets or bats	<a href="#">A63B 71/0045</a>
Show stands, hangers or shelves for displaying or storing golf clubs, e.g. in a shop	<a href="#">A47F</a> , <a href="#">A47F 7/0028</a>
Cabinets or racks for storage	<a href="#">A47B</a> , <a href="#">A47B 81/005</a>

## A63B 57/00

### Golf game accessories, e.g. golf cups, golf tees

#### Definition statement

*This group covers:*

This group concerns devices and accessories used in the game of golf.

#### References relevant to classification in this group

*This group does not cover:*

Golf clubs	<a href="#">A63B 53/00</a>
Bags for golf clubs	<a href="#">A63B 55/00</a>
Training appliances or apparatus for golf	<a href="#">A63B 69/36</a>

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Cigar holders	<a href="#">A24F 13/22</a>
Slidably retracted in a housing when not in use	<a href="#">A63B 2210/58</a>

## A63B 57/0006

**{Automatic teeing devices (devices for automatically dispensing balls in general [A63B 47/002](#))}**

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Devices for automatically dispensing balls in general	<a href="#">A63B 47/002</a>
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**A63B 57/0018****{Tees; Tee-holders; Devices for inserting or extracting tees}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

With writing point	<a href="#">A63B 2225/08</a>
Means for releasably holding a ball in position prior to kicking, striking or the like	<a href="#">A63B 69/0075</a>

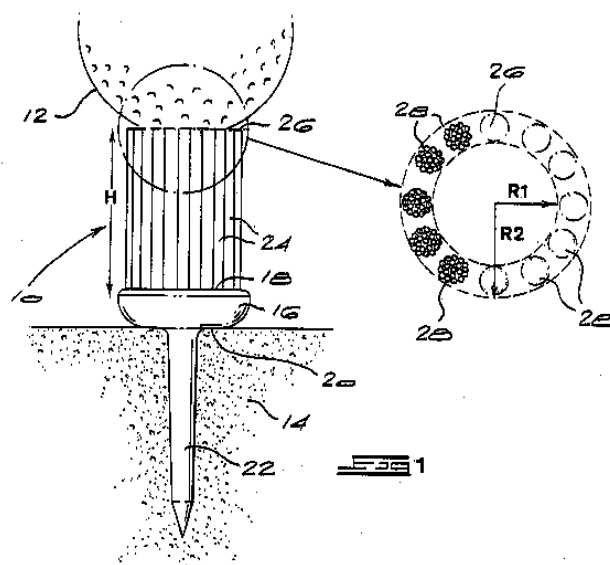
**A63B 57/0031****{Tee-holders (to be fitted on golf bags or caddies [A63B 55/008](#)); Tee-gauges; Tee-repairing devices}****Definition statement***This subgroup covers:*

Holders for tees when not in use.

**Special rules of classification within this group**When these devices are adapted to be releasably mounted on a golf bag, they should also be classified in [A63B 55/008](#)**A63B 57/0043****{Brush-type tee}****Definition statement***This subgroup covers:*

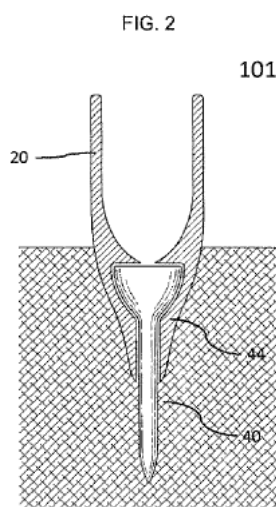
Tees which are conceived to penetrate the ground and where the ball is contacted only by flexible elements, no matter whether they constitute a "real brush" as such or something similar, as exemplified as follows:

With a "real brush":



(WO0045905)

Not necessarily being a "real brush":



(US8167741)

## A63B 57/0056

{Cups (with automatic ball ejector [A63B 57/0062](#)); Hole or ball traps; Markers therefor, e.g. flags}

### References relevant to classification in this group

*This subgroup does not cover:*

Cups with automatic ball ejector means	<a href="#">A63B 57/0062</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Variable in size	<a href="#">A63B 2063/002</a>
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## Special rules of classification within this group

Additional classes may be required in [A63B 63/00](#) (targets or goals for ball games) and [A63B 69/36](#) (Training appliances or apparatus for golf) and subclasses

### A63B 57/0062

{Cups with automatic ball ejector means}

## References relevant to classification in this group

This subgroup does not cover:

Targets or goals with ball returning means	<a href="#">A63B 2063/001</a> .
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Variable in size	<a href="#">A63B 2063/002</a>
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### A63B 57/0087

{Cleaning or maintenance of golf-clubs, putters, shoes or other golf accessories (cleaning balls [A63B 47/04](#) ; cleaning grips [A63B 59/0062](#) ; cleaning footwear in general [A47L 23/00](#))}

## References relevant to classification in this group

This subgroup does not cover:

Cleaning footwear in general	<a href="#">A47L 23/00</a>
Cleaning balls	<a href="#">A63B 47/04</a>
Devices for cleaning handles or grips	<a href="#">A63B 59/0062</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Maintenance or repair accessories, e.g. for courts, greens, sands	<a href="#">A63B 57/0068</a>
Cleaning in general	<a href="#">B08B</a>

## A63B 2057/0093

**{Means for heating or drying golf clubs}**

## Special rules of classification within this group

Heated devices are additionally classified in [A63B 2225/64](#) .

## A63B 59/00

**Bats, rackets, or the like, for other games (bats with a ball tethered thereto [A63B 67/20](#));{ Hand-held throwing or catching aids; Details or accessories of bats, rackets or the like, not limited to one of the groups [A63B 49/00](#) to [A63B 57/00](#) , or not otherwise provided for}**

## References relevant to classification in this group

*This group does not cover:*

Clubs for swinging exercises in general	<a href="#">A63B 15/00</a>
Bats with a ball tethered thereto	<a href="#">A63B 67/20</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Bats in general (not only rackets) whose frames disclose slits	<a href="#">A63B 49/06</a>
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## Special rules of classification within this group

The subgroups of [A63B 59/00](#) should also be used where appropriate to classify the respective features of tennis racquets and golf clubs.

Details of manufacturing methods are additionally classified according to the relevant manufacturing process.

Aspects of inventions which relate to specific types of sports bats should be classified in the relevant group, e.g. rackets in [A63B 49/00](#), golf clubs in [A63B 53/00](#), specific types of bat see [A63B 59/02](#) - [A63B 59/185](#)

## A63B 2059/0011

**{having special surfaces reducing air resistance}**

### Definition statement

*This subgroup covers:*

Details of the surface, e.g. dimpled.

### References relevant to classification in this group

*This subgroup does not cover:*

Airfoil shapes, wings or air passages	<a href="#">A63B 2225/01</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Surfaces reducing air resistance in general	<a href="#">F15D 1/12</a>
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### Special rules of classification within this group

Forms, profiles or through holes for reducing air resistance (i.e. special aerodynamic features which are not related to specific details of the surface) are classified in [A63B 2225/01](#).

## A63B 59/0014

**{Handles or grips ([A63B 49/08](#) takes precedence)}**

### Relationship between large subject matter areas

Handles for hand implements: [B25G 1/00](#)

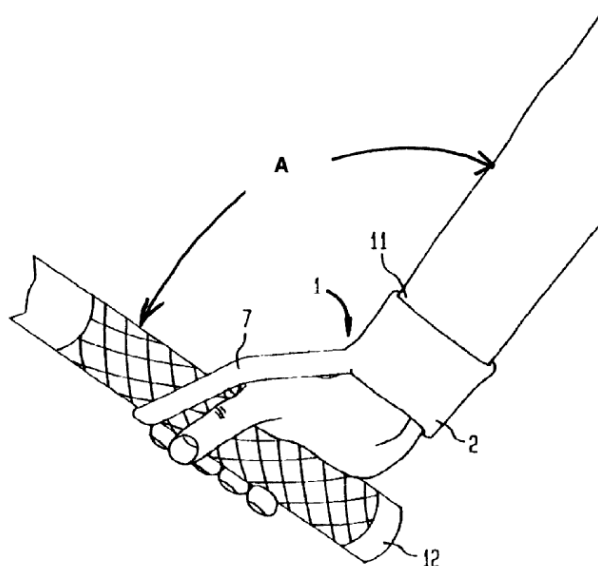
### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Weighted handles for bats in general (not only golf clubs)	<a href="#">A63B 53/145</a>
Attachments of exercising apparatus to the upper limbs of the user	<a href="#">A63B 21/1434</a> , <a href="#">A63B 21/1438</a> , <a href="#">A63B 21/1442</a>

Example of document for [A63B 59/0014](#) and [A63B 21/1442](#):

**FIG. 13**



### Special rules of classification within this group

Handles for rackets should be classified in [A63B 49/08](#) rather than [A63B 59/0014](#), although details of handles for rackets should be classified in the subgroups of [A63B 59/0014](#) where appropriate.

Handles for golf clubs should be classified in [A63B 53/14](#) or [A63B 53/145](#) or [A63B 53/16](#) plus subgroups of [A63B 59/0014](#) where appropriate.

Other types of bat should be classified in the appropriate class according to the type of bat.

### A63B 2059/0022

**{Means for indicating or measuring the pressure on the grip}**

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

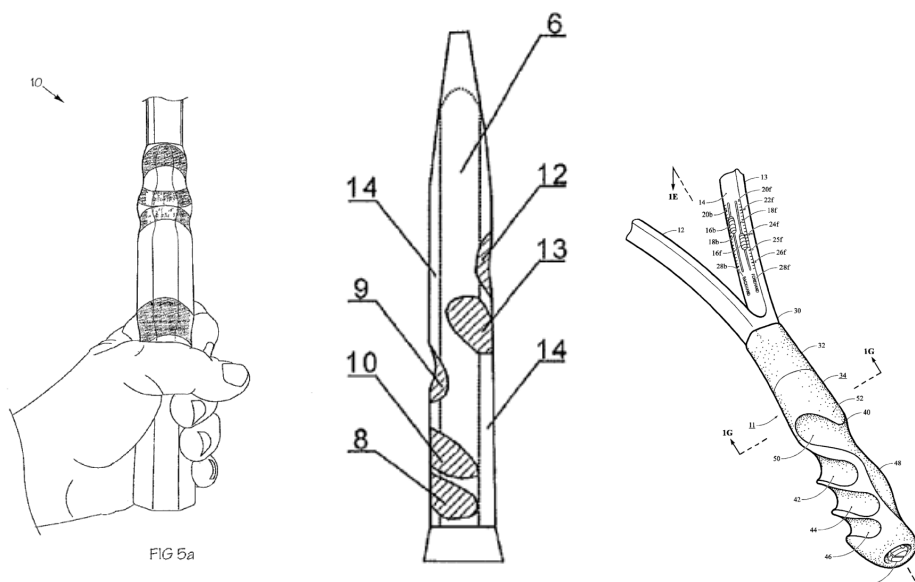
Measuring force related parameters	<a href="#">A63B 2220/50</a>
Sensors arranged on the exercise apparatus or sports implement	<a href="#">A63B 2220/833</a>

**A63B 59/0025**

{contoured according to the anatomy of the user's hand}

**Definition statement**

*This subgroup covers:*

**Special rules of classification within this group**

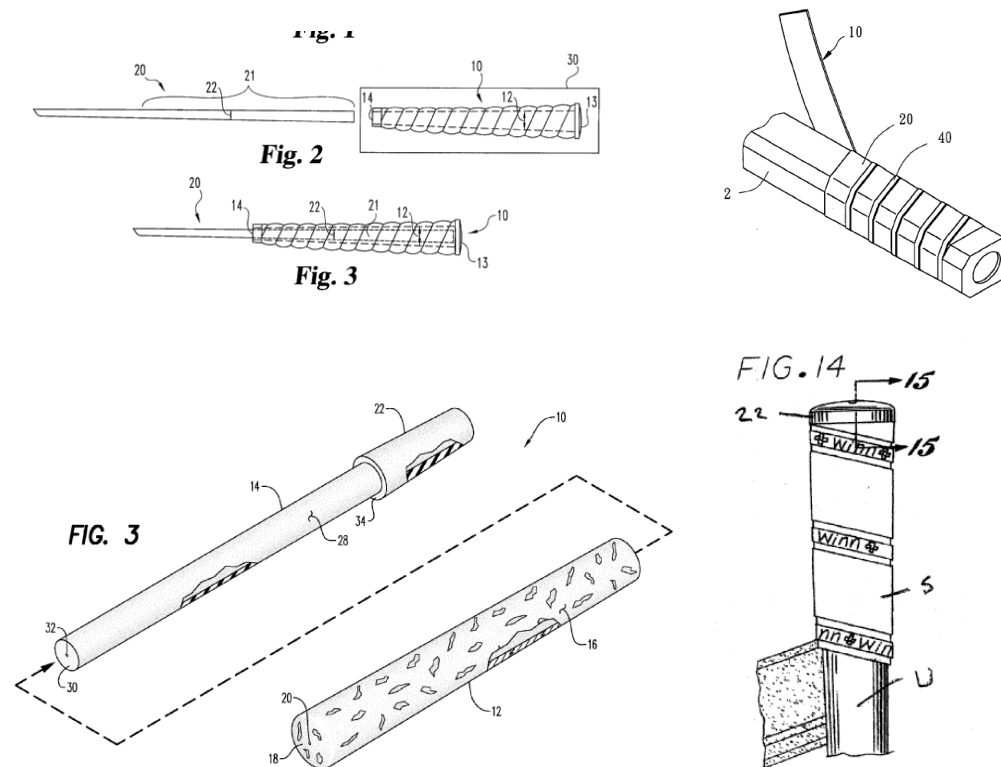
Handles or grips with corrugated cross sections are additionally classified in [A63B 59/0077](#).

**A63B 59/0029**

{Coverings specially adapted therefor, e.g. sleeves, ribbons}

**Definition statement**

*This subgroup covers:*

**Relationship between large subject matter areas**

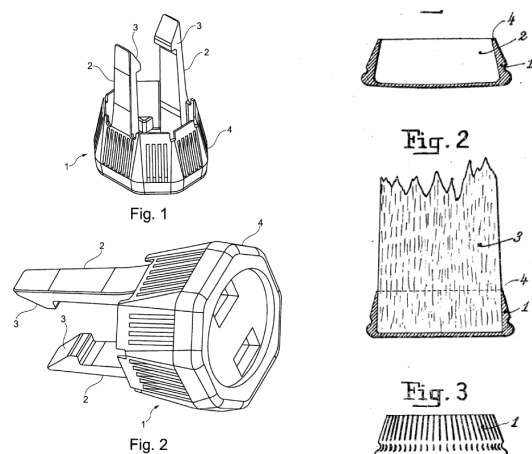
Layered products in strips: [B32B 7/14](#)

## A63B 59/0033

{Caps, ferrules}

### Definition statement

*This subgroup covers:*

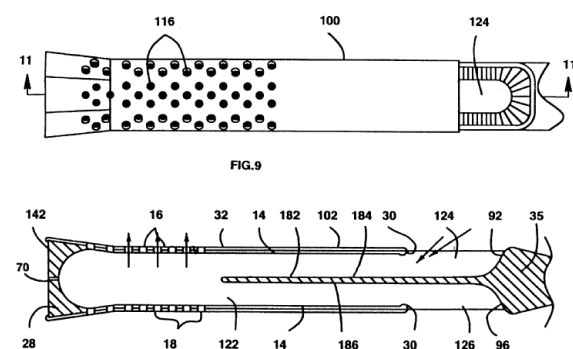


## A63B 59/0037

{with grooves or holes for cooling, ventilating or sweat-reduction; with powder dispensers}

### Definition statement

*This subgroup covers:*



### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Rackets with slits, i.e. elongate holes	<a href="#">A63B 49/06</a>
Bats with through holes	<a href="#">A63B 59/0088</a>

## Special rules of classification within this group

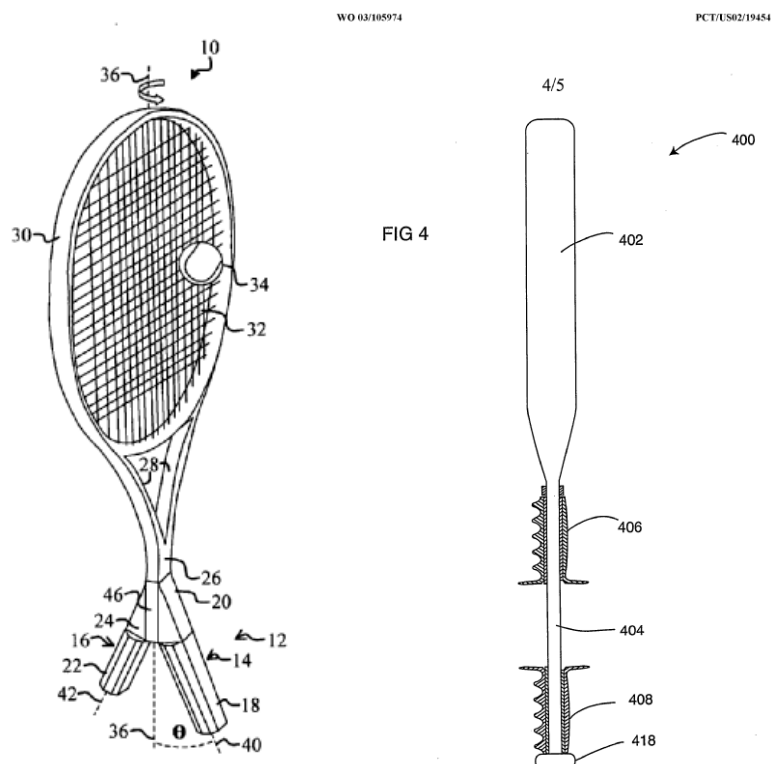
Racket handles or grips with holes or slits for cooling, ventilating or sweat-reduction are classified here rather than ECLA [A63B 59/0088](#) or [A63B 49/06](#) respectively.

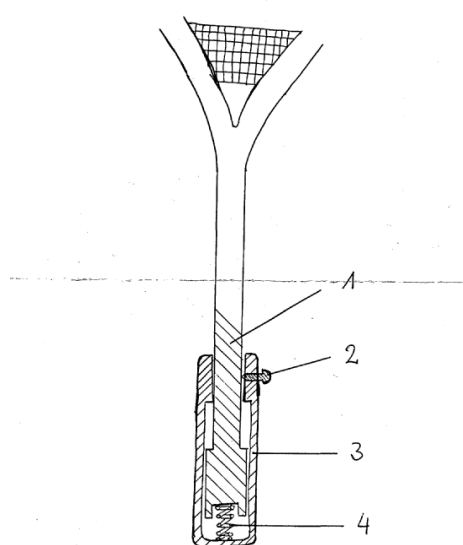
## A63B 59/004

{with two handgrips}

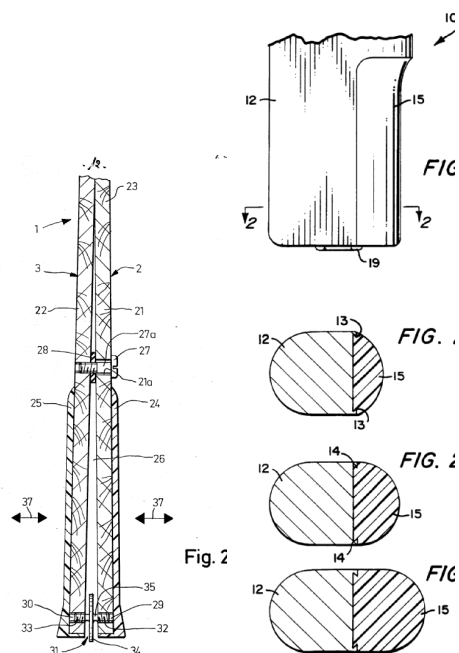
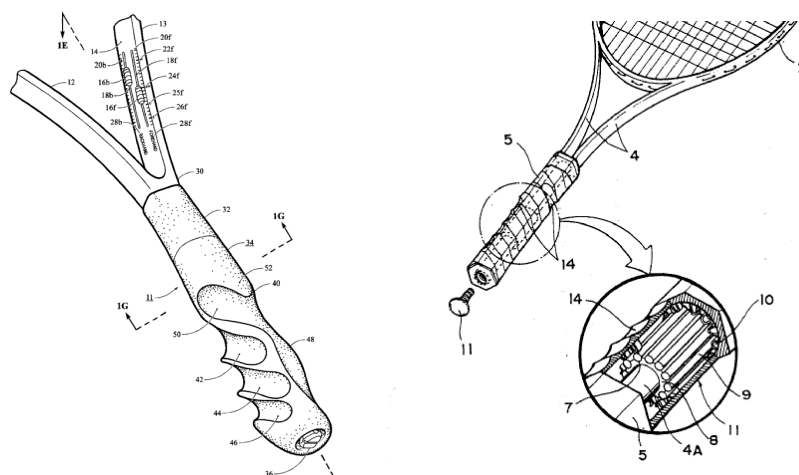
## Definition statement

*This subgroup covers:*



**A63B 59/0044****{adjustable in length}****Definition statement***This subgroup covers:***References relevant to classification in this group***This subgroup does not cover:*

Telescopic shafts	<a href="#">A63B 2059/0085</a>
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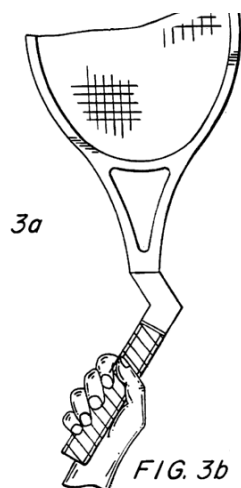
**A63B 59/0048****{with adjustable perimetric length}****Definition statement***This subgroup covers:***A63B 59/0051****{with means for changing the angular position of the handle about its longitudinal axis}****Definition statement***This subgroup covers:*

## A63B 59/0055

{the handle axis being different from the main axis of the bat or racket}

### Definition statement

*This subgroup covers:*



### References relevant to classification in this group

*This subgroup does not cover:*

The shaft axis of a golf club being forwardly offset relative to the striking face of the head	<a href="#">A63B 2053/021</a>
Bats or rackets with holding means provided inside, on the edge or on the rear face of the striking surface	<a href="#">A63B 59/007</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Throat sections with two legs having mutually different constructions	<a href="#">A63B 2049/0282</a>
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## A63B 59/0062

{Devices for cleaning handles or grips}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Cleaning in general	<a href="#">B08B</a>
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## A63B 59/007

{Bats or rackets with holding means provided inside, on the edge or on the rear face of the the striking surface ([A63B 59/02](#) and [A63B 59/04](#) take precedence)}

### References relevant to classification in this group

*This subgroup does not cover:*

For lacrosse, pelota or similar games	<a href="#">A63B 59/02</a>
For table tennis	<a href="#">A63B 59/04</a>

## A63B 59/0074

{Devices for measuring, verifying, correcting or customizing characteristics of golf-clubs, bats or rackets (having a weight movable along the longitudinal axis of the club due to centrifugal forces [A63B 15/005](#))}

### Definition statement

*This subgroup covers:*

Measuring characteristics of implements; custom fitting bats, rackets or golf clubs

### Informative references

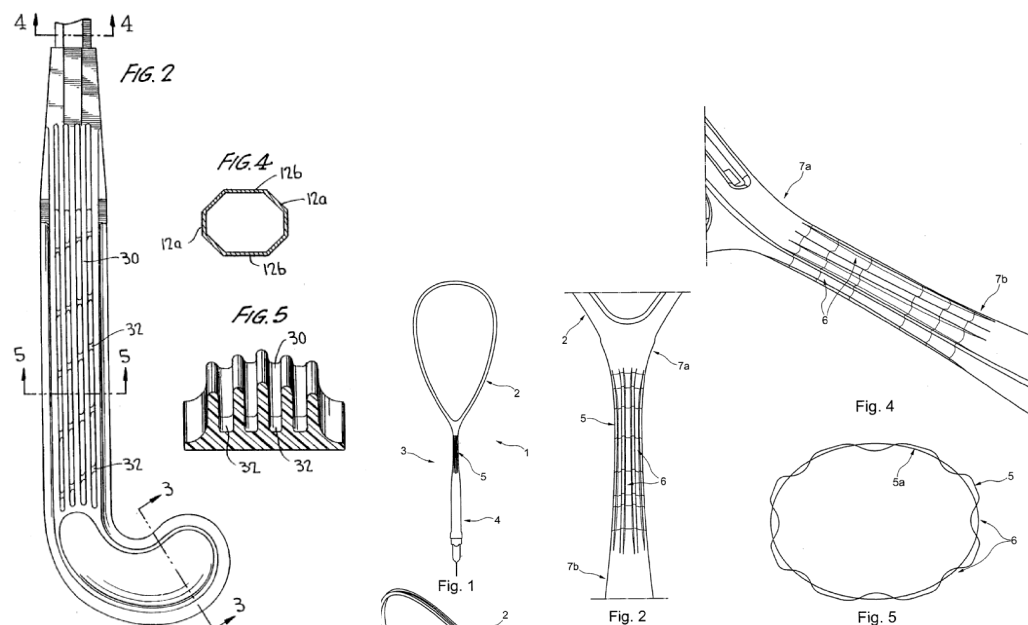
*Attention is drawn to the following places, which may be of interest for search:*

Clubs having a weight movable along the longitudinal axis of the club due to centrifugal forces	<a href="#">A63B 15/005</a>
Testing, calibrating or measuring of equipment	<a href="#">A63B 2225/02</a>
Resonance frequency related characteristics	<a href="#">A63B 2059/0003</a>
For measuring of sport goods in general	<a href="#">G01B 5/0023</a>

### Special rules of classification within this group

Bats or rackets for swinging exercises having a weight movable along the longitudinal axis of the club due to centrifugal forces should also be classified in [A63B 15/005](#)

Details relating to measuring of physical parameters relating to a sporting activity should also be classified in [A63B 2220/00](#).

**A63B 59/0077****{corrugated cross sections}****Definition statement***This subgroup covers:***Special rules of classification within this group**

Handles or grips contoured to the anatomy of the user's hand are additionally classified in [A63B 59/0025](#).

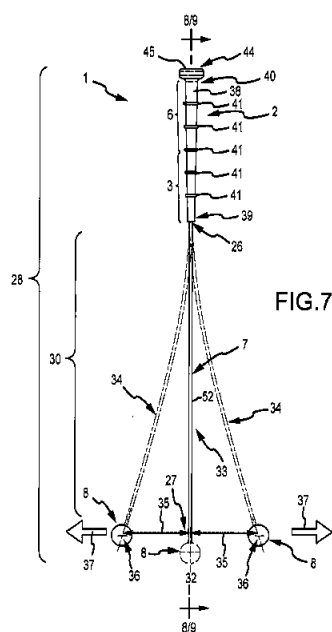
**A63B 2059/0081****{Substantially flexible shafts, hinged shafts}****Definition statement***This subgroup covers:*

Flexible shafts (with or without a hinge).

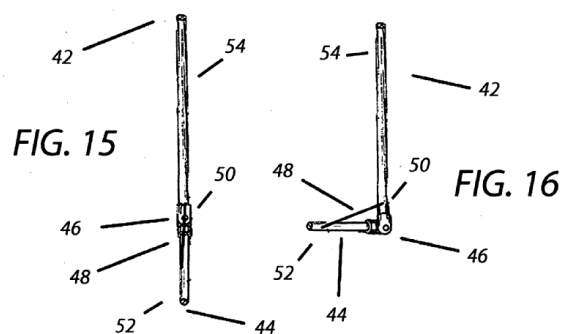
It is also used for shafts with a hinge (independently of whether the hinged parts are flexible on their own or not).

It is also used when a certain degree of stiffness is mentioned, independently of whether the flexibility is explicitly mentioned, as both flexibility and stiffness

are relative terms which refer in the end to the same property (i.e. a bigger or smaller degree of bendability).



Flexible shafts, e.g. US 2009/0082124 A1



Hinged shafts, e.g. WO 2011/019369 A1

### References relevant to classification in this group

*This subgroup does not cover:*

Allowing adjustable angular orientation of the head of a golf club with respect to the shaft of the golf club
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<a href="#">A63B 2053/023</a>
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**A63B 2059/0085****{Telescopic shafts}****References relevant to classification in this group**

*This subgroup does not cover:*

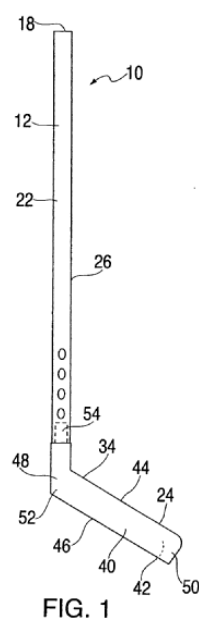
Handles adjustable in length which are not telescopic	<a href="#">A63B 59/0044</a>
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**A63B 59/0088****{Bats with through holes}****Definition statement**

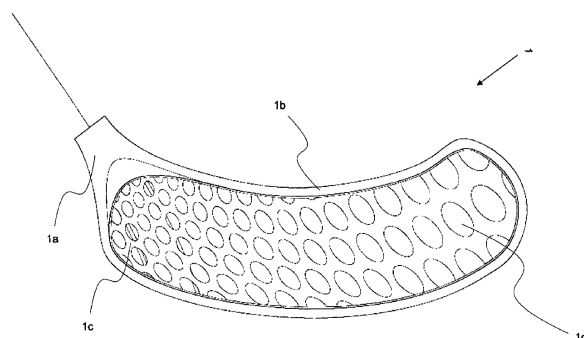
*This subgroup covers:*

Used for non-elongated holes traversing the solid parts of the bat (can also be the blade, if solid). It is also used for important holes in the bat, even if they do not exactly traverse the bat completely (i.e. "through" has to be understood in a broad way).

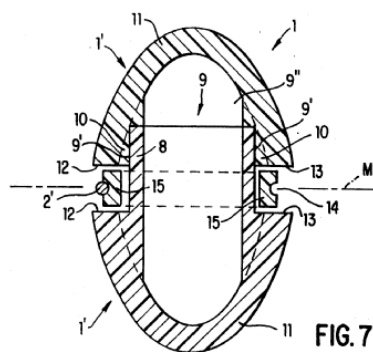
Only used for through holes which have not been subsequently filled-in with another material. However, it is used when only a lid or a cap has been placed on the through hole, subsequently covering it but not completely filling it in.



Example of through holes completely traversing the shaft.



Example of through holes completely traversing a solid blade.



Example of important holes (8, 10) in the frame, not exactly traversing it, but still of an special relevance. US patent 5,232,220.

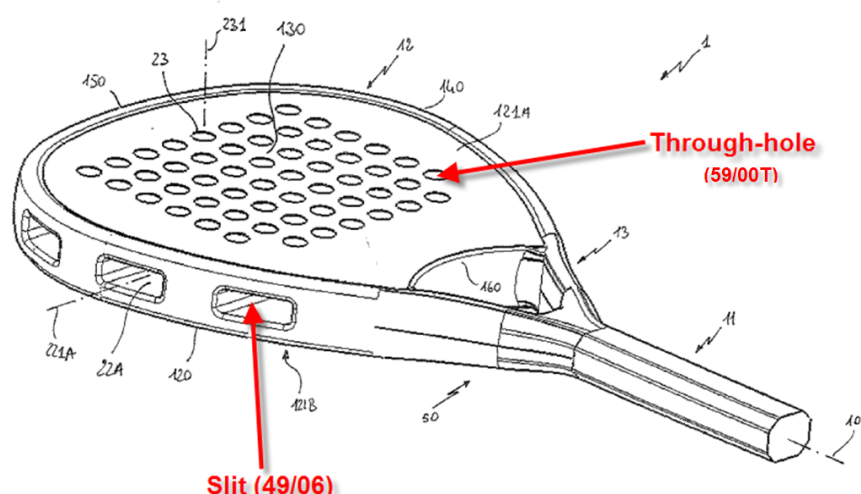
## References relevant to classification in this group

*This subgroup does not cover:*

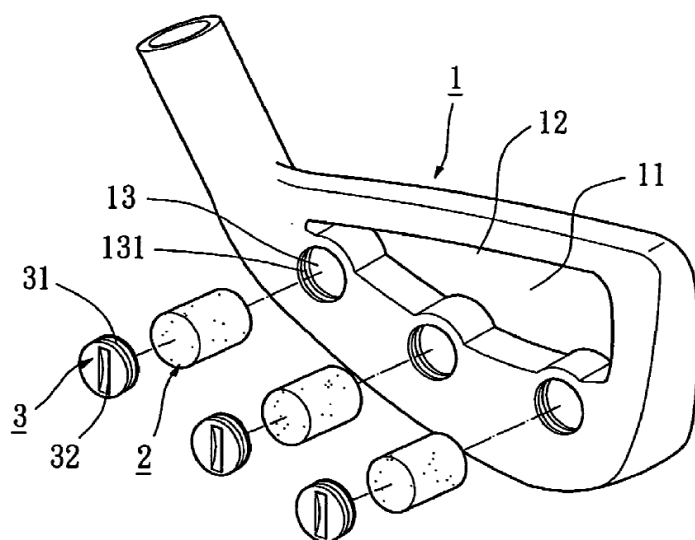
String guides on frames	<a href="#">A63B 49/002</a>
Bats with slits (i.e. long narrow cuts or openings which might traverse the frame or not)	<a href="#">A63B 49/06</a>
Iron-type golf club heads with one or more enclosed cavities	<a href="#">A63B 53/0475</a>
Handles or grips with grooves or holes for cooling, ventilating or sweat-reduction (including handles or grips for rackets)	<a href="#">A63B 59/0037</a>
Tennis rackets comprising a wooden blade with perforations as a substitute for the strings	<a href="#">A63B 2051/045</a>

Through holes whose features, effects or function are to be classified according to the specific scheme for golf club heads	<a href="#">A63B 53/14</a> and subgroups
Through holes that conform normal design features of a golf club head, such as the hole for the insertion of the shaft, enclosed cavities, through holes for inserting weights, etc.	<a href="#">A63B 53/00</a> and subgroups
Golf club heads with added weights inserted in through holes	<a href="#">A63B 2053/0491</a>

Example of through hole ([A63B 59/0088](#)) vs. slit ([A63B 49/06](#)):



Example of through holes for adding weights to a golf club head ([A63B 2053/0491](#)) and which through holes, therefore, are not classified in [A63B 59/0088](#):



**A63B 59/0092**

{Means for damping vibration ([A63B 15/005](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

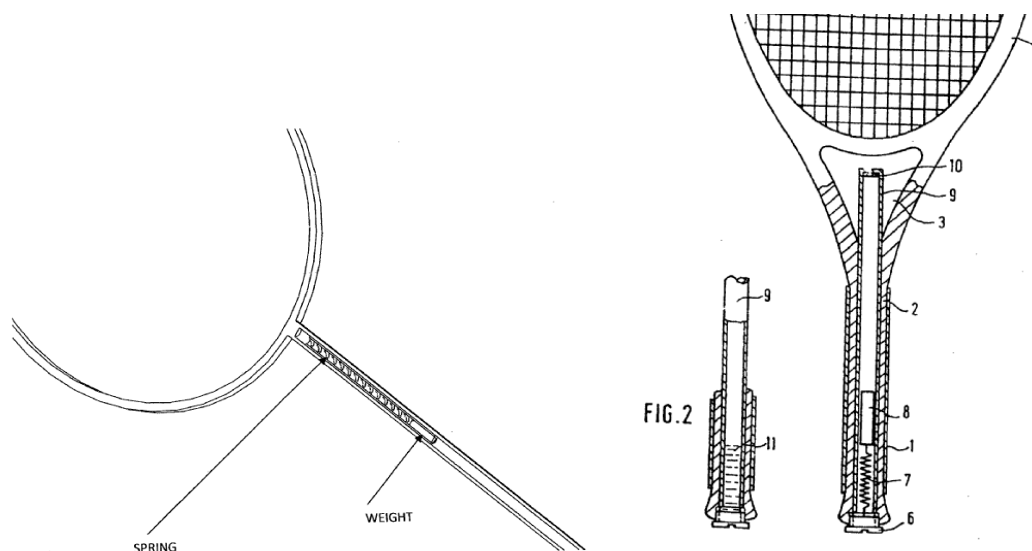
Clubs for swinging exercises having a weight movable along the longitudinal axis of the club due to centrifugal forces	<a href="#">A63B 15/005</a>
Means for damping vibration in general	<a href="#">F16F</a>

**A63B 59/0096**

{Movable ballast means for varying the centre of mass during the stroke, e.g. by centrifugal force ([A63B 15/005](#) takes precedence; weights set in movement on impact of the ball for damping vibrations [A63B 59/0092](#))}

**Definition statement**

*This subgroup covers:*

**References relevant to classification in this group**

*This subgroup does not cover:*

Clubs with a weight movable along the longitudinal axis due to centrifugal forces	<a href="#">A63B 15/005</a>
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**A63B 59/02**

for lacrosse, pelota or similar games;{Bats or rackets having means for catching or holding a ball, e.g. pockets, netting, adhesive type surface; Hand-held throwing or catching aids(juggling games with integral catching arrangements [A63B 67/083](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Juggling games with integral catching arrangements	<a href="#">A63B 67/083</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Hand-held mechanical projectors, e.g. for balls	<a href="#">A63B 65/122</a>
Dog ball launchers	<a href="#">A01K 15/025</a>

**A63B 59/10**

for croquet;{Mallet-form bats(polo mallets [A63B 59/16](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Polo mallets	<a href="#">A63B 59/16</a>
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**A63B 59/14**

for ice hockey{([A63B 59/12](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Hockey sticks where the type (i.e. field, ice) is not specified	<a href="#">A63B 59/12</a>
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**Special rules of classification within this group**

Similar sports such as, e.g. "Ringette" are also classified here.

## A63B 59/18

Circular {or similar planar}bats for other games{(not covered by groups [A63B 59/02](#) to [A63B 59/16](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Bats for specific sports	<a href="#">A63B 59/02</a> - <a href="#">A63B 59/16</a> , <a href="#">A63B 59/185</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Games using a bat or racket with a body, e.g. a ball tethered thereto	<a href="#">A63B 65/122</a>
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## A63B 59/185

{Paddles for paddle tennis, pádel tennis or platform tennis (stringed rackets for tennis or the like [A63B 49/00](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Stringed rackets for tennis or the like	<a href="#">A63B 49/00</a>
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## A63B 61/00

Tennis nets or accessories for tennis or like games,{e.g. volley-ball(devices for holding or carrying balls [A63B 47/00](#) ; for table tennis [A63B 67/04](#))}

### References relevant to classification in this group

*This group does not cover:*

Accessories for stowing or putting sports equipment away	<a href="#">A63B 71/0036</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for holding or carrying balls	<a href="#">A63B 47/00</a>
Accessories for table tennis	<a href="#">A63B 67/04</a>

## A63B 61/003

**{Nets for tennis or like games or accessories therefor  
(straining or adjusting devices on the posts [A63B 61/02](#))}**

## References relevant to classification in this group

*This subgroup does not cover:*

Straining or adjusting devices on the posts	<a href="#">A63B 61/02</a>
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## A63B 61/006

**{Accessories for training purposes mounted on the net}**

## References relevant to classification in this group

*This subgroup does not cover:*

Other training appliances or apparatus for tennis	<a href="#">A63B 69/38</a>
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## A63B 61/02

**Posts; Revolvably-mounted posts;{Straining or adjusting  
devices on the posts, e.g. coin- or time operated}**

## References relevant to classification in this group

*This subgroup does not cover:*

Supports, e.g. floor sockets for removable posts or poles	<a href="#">A63B 71/023</a>
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## A63B 61/04

Straining or adjusting devices for nets,{e.g. centre strainers, single-double adjusters, net height meters(straining or adjusting devices on the posts [A63B 61/02](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Straining or adjusting devices on the posts	<a href="#">A63B 61/02</a>
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## A63B 63/00

Targets or goals for ball games (golf cups [A63B 57/00](#))

### References relevant to classification in this group

*This group does not cover:*

Targets for games	<a href="#">A63F 9/0278</a>
Fixing nets to objects	<a href="#">F16G 11/00</a>
Dartboards	<a href="#">F41J 3/00</a>
Targets for weapons	<a href="#">F41J</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Golf cups	<a href="#">A63B 57/0056</a>
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### Glossary of terms

*In this group, the following terms (or expressions) are used with the meaning indicated:*

Football (unless American football is specified)	Soccer (Association football)
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## A63B 63/08

with {substantially}horizontal opening for ball, e.g. for basketball{(A63B 57/0056 , A63B 63/06 take precedence)}

### References relevant to classification in this group

*This subgroup does not cover:*

Golf cups	<a href="#">A63B 57/0056</a>
Moving targets, e.g. moving or revolving on impact	<a href="#">A63B 63/06</a>

## A63B 65/00

Implements for throwing (throwing toys [A63H 33/18](#) ; throwing weapons [F41B](#));{Mechanical projectors, e.g. using spring force}

### References relevant to classification in this group

*This group does not cover:*

Stationarily-arranged devices for projecting balls	<a href="#">A63B 69/40</a>
Golf cups with ball ejector means	<a href="#">A63B 57/0062</a>
Throwing weapons	<a href="#">F41B</a>
Sling weapons	<a href="#">F41B 3/00</a>
Throwing toys	<a href="#">A63H 33/18</a>
Darts	<a href="#">F42B 6/003</a>
Shooting or hurling games	<a href="#">A63F 9/02</a>
Trap machines for trapshooting and clay-pigeon targets	<a href="#">F41J 9/18</a>

## A63B 65/02

Spears or the like;{Javelins(darts [F42B 6/003](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Darts	<a href="#">F42B 6/003</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Archery arrows	<a href="#">F42B 6/04</a>
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## A63B 65/10

Discus discs; Quoits{(flying disc toys [A63H 33/18](#))}

## References relevant to classification in this group

This subgroup does not cover:

Flying disc toys such as frisbees	<a href="#">A63H 33/18</a>
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## A63B 65/12

Ball-throwing apparatus with or without catchers;{(hand-held throwing or catching aids [A63B 59/02](#)); Mechanical projectors, e.g. using spring force}

## References relevant to classification in this group

This subgroup does not cover:

Stationary devices for projecting balls	<a href="#">A63B 69/40</a>
Sticks for lacrosse, pelota or similar; hand-held throwing or catching aids	<a href="#">A63B 59/02</a>

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Toys for animals	<a href="#">A01K 15/025</a>
For propelling or projecting the balls in miniature bowling alleys	<a href="#">A63D 3/02</a>
Apparatus for projecting balls for indoor games	<b>A63F7/10</b>

**A63B 65/122****{Hand-held mechanical projectors, e.g. for balls}****References relevant to classification in this group***This subgroup does not cover:*

Sticks for lacrosse, pelota or similar; hand-held throwing or catching aids	<a href="#">A63B 59/02</a>
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**A63B 67/002****{Games using balls, not otherwise provided for}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Cooled	<a href="#">A63B 2225/66</a>
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**Special rules of classification within this group**

Amongst other games, Beer Pong games are classified here but also additionally classified in [A63F 7/0017](#) and [A63F 2250/024](#).

**A63B 2067/005****{Games similar to volleyball or basketball and played on trampolines or the like, e.g. "Spaceball" or "Aeroball"}****Special rules of classification within this group**

Documents with trampolines are additionally classified in [A63B 5/11](#)

**A63B 67/007****{played in water}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Apparatus used in water	<a href="#">A63B 2225/60</a>
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**A63B 67/02**

Special golf games, e.g. miniature golf, {e.g. golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track (mats for golf practice [A63B 69/3661](#))}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Mats for golf practice	<a href="#">A63B 69/3661</a>
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**A63B 2067/025**

{with incorporated means acting on the track surface for varying its topography, e.g. slope}

**References relevant to classification in this group**

*This subgroup does not cover:*

Slopes or trails for skiing	<a href="#">A63C 19/10</a>
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**A63B 67/04**

Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis ({tables for table tennis [A47B 25/003](#)}; other table games [A63F](#))

**References relevant to classification in this group**

*This subgroup does not cover:*

Tables for table tennis	<a href="#">A47B 25/003</a>
Other table games	<a href="#">A63F</a>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Apparatus generating unpredictable signals for reaction time training	<a href="#">A63B 69/0053</a>
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### Special rules of classification within this group

Table games modelled on outdoor sports with ball rebound surfaces other than the horizontal table surface, are to be classified here and also in [A63B 69/0097](#).

### A63B 67/06

**Ring or disc tossing games,{e.g. quoits; Throwing or tossing games, e.g. using balls; Games for manually rolling balls, e.g. marbles}**

### References relevant to classification in this group

*This subgroup does not cover:*

For bowling-alleys	<a href="#">A63D 1/06</a>
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### Special rules of classification within this group

This group also covers the game of "Disc golf".

### A63B 67/08

**Juggling or spinning ball games played as games of skill; {Juggling games(games using tethered bodies, e.g. balls [A63B 67/10](#) , [A63B 67/20](#))}**

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Other games using tethered balls	<a href="#">A63B 67/10</a>
Games using a bat or racket with a ball tethered thereto	<a href="#">A63B 67/20</a>

## A63B 67/10

**Games with thread-suspended or swingably-mounted bodies, e.g. balls, pointed bodies shaped as birds, animals, or the like, for aiming at and hitting targets (games using a bat with a ball tethered thereto [A63B 67/20](#) ; pin games with tethered balls [A63D 7/00](#));{Games using tethered bodies, e.g. balls, not otherwise provided for}**

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Games using a bat or racket with a body, e.g. a ball tethered thereto	<a href="#">A63B 67/20</a>
Bats tethered to a line or cord	<a href="#">A63B 69/0079</a>
Pin games with tethered balls	<a href="#">A63D 7/00</a>
Indoor games using small tethered balls	<a href="#">A63F 2007/4087</a>

## A63B 67/14

**Curling stone; Shuffleboard; Similar sliding games**

### Special rules of classification within this group

This group also covers ice hockey pucks

## A63B 69/00

**Training appliances or apparatus for special sports (training of parachutists [B64D 23/00](#))**

### References relevant to classification in this group

*This group does not cover:*

Simulators for teaching or training purposes	<a href="#">G09B 9/00</a>
Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce	<a href="#">A63B 21/00</a>
Exercising apparatus specially adapted for particular parts of the body	<a href="#">A63B 23/00</a>
Training of parachutists	<a href="#">B64D 23/00</a>
Teaching in general	<a href="#">G09B 19/00</a>

### Special rules of classification within this group

The control aspect should be classified in [A63B 24/00](#)

The interface features should be classified in [A63B 71/06](#)

The sensors should be classified in [A63B 2220/00](#) or [A63B 2230/00](#)

The position of the user should be classified in [A63B 2208/00](#)

The specific sport should be classified in [A63B 2243/00](#) or [A63B 2244/00](#), unless covered by the title of the group.

### A63B 69/002

{for football (American-football dummies [A63B 69/345](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

American-football dummies	<a href="#">A63B 69/345</a>
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### A63B 69/0022

{for skating}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Skates with multiple blades	<a href="#">A63C 1/36</a>
Ice-skating or roller-skating rinks	<a href="#">A63C 19/10</a>

### A63B 69/0028

{for running, jogging or speed-walking (movable endless bands [A63B 22/02](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Movable endless bands	<a href="#">A63B 22/02</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

The person using trunk supports resisting forward motion of user	<a href="#">A63B 2208/0261</a>
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## A63B 69/004

{for the martial arts, e.g. karate, judo ([A63B 69/20](#) , [A63B 69/34](#) take precedence)}

## References relevant to classification in this group

This subgroup does not cover:

Punching balls, e.g. for boxing; other boxing training devices, e.g. bags	<a href="#">A63B 69/20</a>
Dummies, e.g. for boxing or American-football	<a href="#">A63B 69/34</a>
Boxing rings	<a href="#">A63C 19/005</a>

## A63B 69/0053

{Apparatus generating random stimulus signals for reaction-time training involving a substantial physical effort (testing reaction time [A61B 5/162](#) ; reaction-time games [A63F 9/0096](#))}

## References relevant to classification in this group

This subgroup does not cover:

Devices for projecting balls	<a href="#">A63B 69/40</a>
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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for testing reaction times	<a href="#">A61B 5/162</a>
Reaction-time games	<a href="#">A63F 9/0096</a>

**A63B 69/0057**

{Means for physically limiting movements of body parts  
([A63B 23/0211](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Attachment of exercising apparatus to the body of the user	<a href="#">A63B 21/1403</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Moving torso with immobilized lower limbs	<a href="#">A63B 23/0211</a>
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**A63B 69/0059**

{worn by the user}

**Definition statement**

*This subgroup covers:*

also limiting movement between grip and body parts (apart from the hand)

**References relevant to classification in this group**

*This subgroup does not cover:*

Attachments of exercise devices to the body without movement restriction	<a href="#">A63B 21/1403</a>
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**A63B 2069/0062**

{Leg restraining devices}

**References relevant to classification in this group**

*This subgroup does not cover:*

Attachment of exercising apparatus to the legs of the user	<a href="#">A63B 21/1423</a>
Golf stance aids, i.e. means for positioning golfer's feet	<a href="#">A63B 69/3667</a>

**A63B 69/0064****{Attachments on the trainee preventing falling}****References relevant to classification in this group***This subgroup does not cover:*

Suspension devices for supporting the body in an upright walking or standing position, e.g. harnesses	<a href="#">A61H 3/008</a>
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**A63B 69/0066****{for wind-surfing}****References relevant to classification in this group***This subgroup does not cover:*

Sailing simulators (for teaching or training purposes)	<a href="#">G09B 9/066</a>
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**A63B 69/0075****{Means for releasably holding a ball in position prior to kicking, striking or the like (golf tees [A63B 57/0018](#))}****References relevant to classification in this group***This subgroup does not cover:*

Golf tees	<a href="#">A63B 57/0018</a>
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**A63B 2069/0077****{Suspending a ball on an upright stream of air or water}****References relevant to classification in this group***This subgroup does not cover:*

Stationarily-arranged devices with pneumatic propelling means for projecting balls	<a href="#">A63B 69/409</a>
Indoor games with playing bodies projected by compressed air	<a href="#">A63F 7/066</a>
Water toys, floating toys or like buoyant toys	<a href="#">A63H 23/10</a>

**A63B 69/0079**

{Balls tethered to a line or cord ([A63B 43/007](#) takes precedence; other games using tethered balls [A63B 67/10](#) ; games using a bat or racket with a ball tethered thereto [A63B 67/20](#))}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Arrangements on balls for connecting lines or cords	<a href="#">A63B 43/007</a>
Other games using tethered balls	<a href="#">A63B 67/10</a>
Games using a bat or racket with a ball tethered thereto	<a href="#">A63B 67/20</a>

**Special rules of classification within this group**

Hollow rigid balls are classified in [A63B 37/0098](#)

Arrangements on balls for connecting lines or cords [A63B 43/007](#) takes precedence.

**A63B 69/0086**

{the line or cord being attached to the user ([A63B 21/0608](#) takes precedence; punching balls attached to the user [A63B 69/26](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Eccentric weights put into orbital motion by nutating movement of the user	<a href="#">A63B 21/0608</a>
Punching balls attached to the user	<a href="#">A63B 69/26</a>

**A63B 69/0097**

{Ball rebound walls (with holes or in combination with nets [A63B 63/00](#))}

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Walls with holes or in combination with nets	<a href="#">A63B 63/00</a>
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Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls	<a href="#">A63B 71/022</a>
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## A63B 69/02

for fencing, {e.g. means for indicating hits (fencing foils, sabres or epees [F41B 13/02](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Fencing foils, sabres or epees	<a href="#">F41B 13/02</a>
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### Special rules of classification within this group

Fencing masks are classified in [A63B 69/02](#) and also in [A63B 2071/105](#) and [A63B 71/10](#).

## A63B 69/04

simulating the movement of horses (toy animals for riding [A63G 19/00](#))

### References relevant to classification in this group

*This subgroup does not cover:*

Toy animals for riding	<a href="#">A63G 19/00</a>
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## A63B 69/06

for rowing or sculling

### Definition statement

*This subgroup covers:*

Also canoeing, kayaking.

### Relationship between large subject matter areas

Canoes, kayaks or the like [B63B 35/71](#).

### References relevant to classification in this group

*This subgroup does not cover:*

Rowing machines for fitness	<a href="#">A63B 22/0076</a>
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**A63B 69/08****with water-filled pools****Special rules of classification within this group**

This group includes any rowing training which takes place in a real boat.

**A63B 69/125****{Devices for generating a current of water in swimming pools}****References relevant to classification in this group**

*This subgroup does not cover:*

Producing waves in swimming pools	<a href="#">E04H 4/0006</a>
In baths	<a href="#">A47K 3/10</a>
Therapeutic baths with agitated or circulated water	<a href="#">A61H 33/0087</a>

**A63B 69/14**

**Teaching frames for swimming;{Swimming boards(life-buoys, life-belts [B63C 9/08](#))}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Body floating supports for relaxation	<a href="#">A61H 37/005</a>
Life-buoys, life-belts	<a href="#">B63C 9/08</a>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Other vessels or like floating structures for pleasure or sport	<a href="#">B63B 35/73</a>
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**A63B 69/16**

for cycling,{i.e. arrangements on or for real bicycles(home-trainers [A63B 23/0476](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Home-trainers for the legs by rotating cycling movement	<a href="#">A63B 23/0476</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Means providing for a stabilised ride	<a href="#">B62H 1/10</a>
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**Special rules of classification within this group**

This group is also used for wheelchair training on rollers - such documents are additionally coded [A63B 2071/0018](#).

**A63B 69/18**

for skiing

**References relevant to classification in this group**

*This subgroup does not cover:*

Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes	<a href="#">A63C 5/16</a>
Accessories for skiing or snowboarding (fittings on vehicles for carrying skis)	<a href="#">A63C 11/00</a>
Slalom gate poles, posts or marking sticks for sport field	<a href="#">A63C 19/00</a>

**A63B 69/182**

{for cross-country-skiing ([A63B 23/0417](#) , [A63B 69/0022](#) take precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Exercising apparatus for the legs with guided foot supports moving parallel to the body-symmetrical-plane by translation	<a href="#">A63B 23/0417</a>
Training devices for skating	<a href="#">A63B 69/0022</a>

**A63B 69/187**

{for water-skiing}

**References relevant to classification in this group**

*This subgroup does not cover:*

Waterskis	<a href="#">B63B 35/81</a>
Accessories, e.g. sticks for water skiing	<a href="#">B63B 35/85</a>

**A63B 69/20**

Punching balls,{e.g. for boxing; Other boxing training devices, e.g. bags([A63B 69/34](#) takes precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Dummies, e.g. for boxing or American football	<a href="#">A63B 69/34</a>
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**A63B 69/26**

attached to the human body

**References relevant to classification in this group**

*This subgroup does not cover:*

Other tethered balls being attached to the user	<a href="#">A63B 69/0086</a>
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## A63B 69/36

### for golf

#### Definition statement

*This subgroup covers:*

Training appliances or apparatus used when training golf, i.e. equipment which is not normally used during the game of golf.

#### References relevant to classification in this group

*This subgroup does not cover:*

Golf clubs	<a href="#">A63B 53/00</a>
Bags and stands	<a href="#">A63B 55/00</a>
Golf game accessories	<a href="#">A63B 57/00</a>
Scoring devices	<a href="#">A63B 71/06</a>

#### Special rules of classification within this group

Control must be classified in [A63B 24/00](#).

The interface features must be classified in [A63B 71/06](#).

The sensors must be classified in [A63B 2220/00](#) or [A63B 2230/00](#).

The position of the user must be classified in [A63B 2208/00](#).

## A63B 69/3608

{Attachments on the body, e.g. for measuring, aligning, restraining ([A63B 69/0059](#) , [A63B 69/3673](#) take precedence)}

#### References relevant to classification in this group

*This subgroup does not cover:*

Means for physically limiting movements of body parts	<a href="#">A63B 69/0057</a>
Means for physically limiting movements of body parts worn by the user	<a href="#">A63B 69/0059</a>
Golf stance aids, i.e. means for positioning a golfer's feet	<a href="#">A63B 69/3667</a>
Foot inclining aids	<a href="#">A63B 69/3673</a>

**A63B 69/3611**

{not used, see [A63B 69/36](#) and subgroups}

**Definition statement**

*This subgroup covers:*

Head group for special indicating features for golf training.

**Special rules of classification within this group**

This group is used as a head group and should not be used for classification.  
For classification the sub groups should be used.

**A63B 69/3614**

{using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club}

**Definition statement**

*This subgroup covers:*

All types of training means using electro-magnetic, magnetic or ultrasonic radiation e.g. laser aiming, interruption of beams or lamps attached to golf club.

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Optical or opto-electric sensors	<a href="#">A63B 2220/805</a>
Powered illuminating means	<a href="#">A63B 2207/02</a>

**A63B 69/3617**

{Striking surfaces with impact indicating means, e.g. markers}

**Definition statement**

*This subgroup covers:*

Means indicating the actual impact point, i.e. point of contact, with the ball.

**References relevant to classification in this group**

*This subgroup does not cover:*

Means indicating the preferred impact point for normal golf clubs, i.e. visual indicators for aligning the golf club	<a href="#">A63B 2053/0441</a>
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Visual indicators for training purposes for indicating the preferred impact point or aligning the golf club	<a href="#">A63B 69/3632</a>
Visual indicators for putting training purposes for indicating the preferred impact point or aligning the putter	<a href="#">A63B 69/3685</a>

### Special rules of classification within this group

Note: the means indicate the actual impact point, i.e. point of contact, with the ball; means indicating the preferred impact point for normal golf clubs should be coded in [A63B 2053/0441](#), and for training purposes in [A63B 69/3632](#) or [A63B 69/3685](#).

### A63B 69/3623

{for driving ([A63B 69/3608](#) , [A63B 69/3658](#) , [A63B 69/3661](#) , [A63B 69/3667](#) and [A63B 69/3691](#) take precedence)}

### References relevant to classification in this group

*This subgroup does not cover:*

Attachments on the body, e.g. for measuring, aligning, restraining	<a href="#">A63B 69/3608</a>
Means associated with the ball for indicating or measuring, e.g. speed, direction	<a href="#">A63B 69/3658</a>
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	<a href="#">A63B 69/3661</a>
Golf stance aids, e.g. means for positioning a golfer's feet	<a href="#">A63B 69/3667</a>
Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens	<a href="#">A63B 69/3691</a>

### A63B 69/3632

{Clubs or attachments on clubs, e.g. for measuring, aligning ([A63B 69/3614](#) takes precedence; clubs for swinging exercises in general [A63B 15/00](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Bats with a ball tethered thereto	<a href="#">A63B 67/20</a>
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Clubs, weighted hand bars for swinging exercises not related to golf technique	<a href="#">A63B 15/00</a>
Golf clubs not used for training with visual indicators for aligning the club	<a href="#">A63B 2053/0441</a>
Golf training apparatus using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club	<a href="#">A63B 69/3614</a>

## A63B 69/3635

{with sound-emitting source}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Means for indicating or measuring the pressure on the grip	<a href="#">A63B 2059/0022</a>
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## A63B 69/3638

{Normal golf clubs with directly attached weights}

### References relevant to classification in this group

*This subgroup does not cover:*

Clubs, weighted hand bars for swinging exercises not related to golf technique	<a href="#">A63B 15/00</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

User-manipulated weights; fluids, e.g. water	<a href="#">A63B 21/0602</a>
Fluid-like particles, e.g. gun shot, sand	<a href="#">A63B 21/0603</a>

## A63B 69/3641

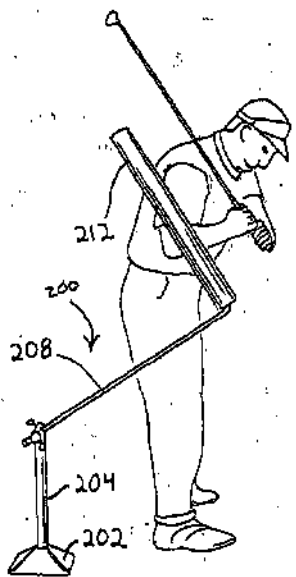
{with guides for guiding the swing}

### Definition statement

*This subgroup covers:*

Contacting and non-contacting means for guiding the swing.

It is also used for putting, not only for driving



US2005197199 (Example of non-contacting means)

## A63B 69/3647

**{with a flexible member fixed on the club and rotating around a fixed supporting point}**

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Resilient force resistors of the extension element type	<a href="#">A63B 21/055</a>
Elastic ropes or bands	<a href="#">A63B 21/0552</a>
User-manipulated weights	<a href="#">A63B 21/06</a>

## A63B 69/3655

**{Balls, ball substitutes, or attachments on balls therefor}**

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Short-distance or low-velocity balls for training, or for playing on a reduced area	<a href="#">A63B 2043/001</a>
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**A63B 69/3661**

**{Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Surfaces simulating grass	<a href="#">E01C 13/08</a>
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**A63B 69/3676**

**{for putting ([A63B 69/3608](#) , [A63B 69/3661](#) , [A63B 69/3667](#) and [A63B 69/3697](#) take precedence)}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Putting tracks	<a href="#">A63B 67/02</a>
Attachments on the body, e.g. for measuring, aligning, restraining	<a href="#">A63B 69/3608</a>
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	<a href="#">A63B 69/3661</a>
Golf stance aids, e.g. means for positioning a golfer's feet	<a href="#">A63B 69/3667</a>
Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens	<a href="#">A63B 69/3691</a>
Golf courses with putting taking place on a green other than the target green	<a href="#">A63B 69/3697</a>

**A63B 69/3685**

**{Putters or attachments on putters e.g. for measuring, aligning ([A63B 69/3614](#) takes precedence)}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Golf training apparatus using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club	<a href="#">A63B 69/3614</a>
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**A63B 69/3691**

{Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens (special golf games, e.g. miniature golf, [A63B 67/02](#) ; mats for simulating golf greens [A63B 69/3661](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Special golf games, e.g. miniature golf, golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track	<a href="#">A63B 67/02</a>
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	<a href="#">A63B 69/3661</a>
Pavings or foundations specially adapted for playgrounds or sports grounds; [N: Drainage, irrigation or heating of sports grounds]	<a href="#">E01C 13/00</a>

**A63B 69/38**

for tennis{([A63B 61/006](#) , [A63B 69/0073](#) and [A63B 69/0097](#) take precedence)}

**References relevant to classification in this group**

*This subgroup does not cover:*

Accessories for training purposes mounted on the net	<a href="#">A63B 61/006</a>
Means for releasably holding a ball in position; balls constrained to move around a fixed point, e.g. by tethering	<a href="#">A63B 69/0073</a>
Ball rebound walls	<a href="#">A63B 69/0097</a>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Devices measuring hand characteristics to determine correct grip size	<a href="#">A63B 2059/0018</a>
Means for indicating or measuring the pressure on the grip	<a href="#">A63B 2059/0022</a>

## Special rules of classification within this group

control must be classified in [A63B 24/00](#).

The interface features must be classified in [A63B 71/06](#).

The sensors must be classified in [A63B 2220/00](#) or [A63B 2230/00](#).

The position of the user must be classified in [A63B 2208/00](#).

## A63B 69/40

**Stationarily-arranged devices for projecting balls {or other bodies (ball-dispensing devices [A63B 47/002](#) ; golf cups with ball ejector means [A63B 57/0062](#) ; targets with means for returning balls by gravity or mechanically [A63B 63/00](#))};(sling weapons [F41B 3/00](#) ; traps for clay-pigeon targets [F41J 9/18](#))**

## References relevant to classification in this group

*This subgroup does not cover:*

Implements for throwing	<a href="#">A63B 65/00</a>
Dog ball launchers	<a href="#">A01K 15/025</a>
Golf cups with ball ejector means	<a href="#">A63B 57/0062</a>
Targets with means for returning balls by gravity or mechanically	<a href="#">A63B 63/00</a>
Sling weapons	<a href="#">F41B 3/00</a>
Traps for clay-pigeon targets	<a href="#">F41J 9/18</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Ball-dispensing devices	<a href="#">A63B 47/002</a>
Ball dispensers having means preventing bridge formation during dispensing	<a href="#">A63B 2047/004</a>

**A63B 69/407****{with spring-loaded propelling means}****References relevant to classification in this group***This subgroup does not cover:*

Catapults	<a href="#">F41B 3/02</a>
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**A63B 71/00**

**Games or sports accessories not covered in groups**  
**[A63B 1/00](#) to [A63B 69/00](#)(starting appliances [A63K 3/02](#))**

**Definition statement***This group covers:*

Games or sports accessories not covered in groups [A63B 1/00](#) to  
[A63B 69/0015](#).

**References relevant to classification in this group***This group does not cover:*

Race starting appliances	<a href="#">A63K 3/02</a>
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**A63B 71/0009****{for handicapped persons}****Definition statement***This subgroup covers:*

Games and apparatus for handicapped persons.

**Special rules of classification within this group**

Wheelchair training on rollers is classified in [A63B 69/16](#) and additionally in  
[A63B 2071/0018](#).

**A63B 71/0036**

**{Accessories for stowing, putting away or transporting exercise apparatus or sports equipment (handling or treating balls [A63B 47/00](#) ; for golf clubs [A63B 55/00](#))}**

**Definition statement**

*This subgroup covers:*

Accessories for stowing, putting away or transporting exercise apparatus or sports equipment.

**References relevant to classification in this group**

*This subgroup does not cover:*

Handling or treating balls	<a href="#">A63B 47/00</a>
Bags and stands for golf clubs	<a href="#">A63B 55/00</a>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Hand-propelled vehicles for transporting sport articles	<a href="#">B62B 2202/40</a>
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**A63B 71/0045**

**{specially adapted for games played with rackets or bats}**

**Definition statement**

*This subgroup covers:*

Accessories for stowing, putting away or transporting exercise apparatus or sports equipment, specially adapted for games played with rackets or bats.

**References relevant to classification in this group**

*This subgroup does not cover:*

Devices for storing or displaying elongated objects such as fishing rods, guns etc.	<a href="#">A47B 81/005</a>
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**A63B 71/0054**

{Features for injury prevention on an apparatus, e.g. shock absorbers (mats or the like for absorbing shocks for jumping [A63B 6/00](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Mats or the like for absorbing shocks for jumping	<a href="#">A63B 6/00</a>
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**A63B 2071/009**

{Protective housings covering the working parts of the apparatus}

**Definition statement**

*This subgroup covers:*

Protective housings covering the working parts of the apparatus.

**A63B 71/02**

**for large-room or outdoor sporting games**

**References relevant to classification in this group**

*This subgroup does not cover:*

Design or layout of playing courts, rinks, bowling greens or areas for water-skiing	<a href="#">A63C 19/00</a>
Outdoor lighting	<a href="#">F21S 8/003</a>

**A63B 71/021**

{Stays or guy-ropes (for masts [E04H 12/20](#) , for tents [E04H 15/34](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Stays or guy-ropes for masts	<a href="#">E04H 12/20</a>
Stays or guy-ropes for tents	<a href="#">E04H 15/34</a>

**A63B 71/022**

**{Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Targets or goals for ball games	<a href="#">A63B 63/00</a>
Training appliances for cricket	<a href="#">A63B 69/0015</a>
Ball rebound walls	<a href="#">A63B 69/0097</a>

**A63B 71/023**

**{Supports, e.g. poles}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Fixation by suction cups	<a href="#">A63B 2225/055</a>
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**A63B 2071/026**

**{stabilised by weight}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Sockets filled with water, sand or the like	<a href="#">E04H 12/2246</a>
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**A63B 71/028**

**{Floor sockets for removable poles (sockets for poles in general [E04H 12/22](#))}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Sockets for poles in general	<a href="#">E04H 12/22</a>
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**A63B 71/04****for small-room or indoor sporting games****References relevant to classification in this group***This subgroup does not cover:*

Design or layout of playing courts, rinks, bowling greens or areas for water-skiing	<a href="#">A63C 19/00</a>
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**A63B 71/06****Indicating or scoring devices for games or players,{or for other sports activities}****References relevant to classification in this group***This subgroup does not cover:*

Details of notification to user or patient for diagnostic purposes	<a href="#">A61B 5/74</a>
For fencing	<a href="#">A63B 69/02</a>
For arrow or dart games	<a href="#">F41J 3/02</a>
For card games	<a href="#">A63F 1/18</a>

**A63B 71/0605****{Decision makers and devices using detection means facilitating arbitration}****References relevant to classification in this group***This subgroup does not cover:*

Line foul detectors for bowling	<a href="#">A63D 1/06</a>
Decision makers for riding sports	<a href="#">A63K 3/00</a>
Target indicating system, score detecting system for guns	<a href="#">F41J 5/00</a>
Devices used in petanque for measuring distance or difference in distance	<a href="#">A63B 67/066</a>

**A63B 71/0616**

**{Means for conducting or scheduling competition, league, tournaments or rankings}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Competitions, virtual races	<a href="#">A63B 24/0084</a>
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**A63B 71/0619**

**{Displays, user interfaces and indicating devices, specially adapted for sport equipment, e.g. display mounted on treadmills}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

PDA	<a href="#">G06F 1/1626</a>
Signal devices with lights	<a href="#">G08B 5/36</a>

**A63B 71/0622**

**{Visual, audio or audio-visual systems for entertaining, instructing or motivating the user}**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

MP3-player associated to further apparatuses	<a href="#">G11B 31/00</a>
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**A63B 2071/0625**

**{Emitting sound, noise or music}**

**References relevant to classification in this group**

*This subgroup does not cover:*

Rhythm indicators for respiratory exercises	<a href="#">A63B 23/185</a>
Golf clubs for training with sound emitting source	<a href="#">A63B 69/3635</a>

**A63B 2071/0627****{when used improperly, e.g. by giving a warning}****References relevant to classification in this group***This subgroup does not cover:*

Visual, audio or audio-visual systems for entertaining, instructing or motivating the user	<a href="#">A63B 71/0622</a>
rhythm indicators	<a href="#">A63B 23/185</a>
for respiratory exercises	<a href="#">A63B 23/185</a>
in golf clubs for training	<a href="#">A63B 69/3635</a>

**A63B 2071/0644****{with display speed of moving landscape controlled by the user's performance}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

The load of the exercise apparatus being controlled in synchronism with visualising systems, e.g. hill slope	<a href="#">A63B 2024/009</a>
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**A63B 2071/0661****{arranged on the user}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Head mounted display	<a href="#">G02B 27/017</a>
Wearable computers	<a href="#">G06F 1/163</a>
Transceiver s arranged on the body	<a href="#">H04B 1/385</a>

**A63B 2071/0663****{worn on the wrist, e.g. wrist bands}****References relevant to classification in this group***This subgroup does not cover:*

Time pieces combined with an external data detector	<a href="#">G04G 21/02</a>
for measuring physiological data	<a href="#">G04G 21/025</a>

**A63B 71/0669****{Score-keepers or score display devices}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Wrist worn watch type	<a href="#">G04G 9/0064</a>
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**A63B 71/0672****{using non-electronic means}****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Computing aids in which the computing members form at least part of the displayed result and manipulated directly by hand, e.g. abacus, pocket adding device	<a href="#">G06C 1/00</a>
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**A63B 71/0686****{Timers, rhythm indicators or pacing apparatus using electric or electronic means}****References relevant to classification in this group***This subgroup does not cover:*

Pedometers	<a href="#">G01C 22/006</a>
Sport timing	<a href="#">G07C 1/22</a>
Regulating music	<a href="#">G10H 1/40</a>
Automatically producing a series of tones	<a href="#">G10H 1/26</a>

For respiratory exercises	<a href="#">A63B 23/185</a>
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### Synonyms and Keywords

cadence = strokes, strides etc per second.

### A63B 2071/0694

{Visual indication, e.g. Indicia}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Advertising	<a href="#">G09F 23/00</a>
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### A63B 71/08

Body-protectors for players or sportsmen,{i.e. body-protecting accessories affording protection of body parts against blows or collisions}(protective clothing or garments for sporting purposes [A41D 13/00](#))

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Protective clothing or garments for sporting purposes	<a href="#">A41D 13/00</a>
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### A63B 71/081

{fluid-filled, e.g. air-filled}

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Inflatable	<a href="#">A63B 2225/62</a>
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### A63B 2071/083

{using bubble wrap}

### Special rules of classification within this group

Location of protection should be classified in [A63B 71/08](#).

## A63B 71/085

{Mouth or teeth protectors ([A63B 71/081](#) takes precedence; protective face masks [A41D 13/00](#))}

### References relevant to classification in this group

*This subgroup does not cover:*

Protective face masks	<a href="#">A41D 13/00</a>
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### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Fluid-filled, e.g. air-filled body protectors	<a href="#">A63B 71/081</a>
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## A63B 2071/086

{Mouth inserted protectors with breathing holes}

### Definition statement

*This subgroup covers:*

Mouth inserted protectors with breathing holes.

Also for holes (i.e. airway opening) in the front portion of the mouthguard due to the manufacturing and/or customizing process.

## A63B 2071/088

{Mouth inserted protectors with tether or strap}

### Definition statement

*This subgroup covers:*

Mouth inserted protectors with tether or strap, e.g. to be fixed to a helmet.

## A63B 71/10

for the head ({[A63B 71/081](#) takes precedence } ; in the form of caps or hats [A42B 1/08](#) ; helmets [A42B 3/00](#))

### References relevant to classification in this group

*This subgroup does not cover:*

Head protectors in the form of caps or hats	<a href="#">A42B 1/08</a>
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Helmets	<a href="#">A42B 3/00</a>
Face guards for ice hockey	<a href="#">A42B 3/20</a>
for the ears	<a href="#">A61F 11/06</a>
Helmets for swimming or water polo	<a href="#">A63B 33/00</a>
Fluid-filled, e.g. air-filled, body-protectors for players or sportsmen	<a href="#">A63B 71/081</a>

### Special rules of classification within this group

Fencing masks are also classified in [A63B 2071/105](#) and [A63B 69/02](#).

## A63B 2071/105

{Fencing mask}

### Definition statement

*This subgroup covers:*

Fencing mask, also for masks used in kendo.

### Special rules of classification within this group

These documents should also be classified in [A63B 71/10](#) and [A63B 69/02](#).

## A63B 71/12

for the body,{e.g. shoulders}, or the legs{(A63B 71/081 takes precedence)}

### References relevant to classification in this group

*This subgroup does not cover:*

Fluid-filled, e.g. air-filled, body-protectors for players or sportsmen	<a href="#">A63B 71/081</a>
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## A63B 71/1216

{for the genital area}

### References relevant to classification in this group

*This subgroup does not cover:*

Crotch reinforcement	<a href="#">A41D 1/088</a>
Suspensory bandages	<a href="#">A61F 5/40</a>

**A63B 71/1225**

{for the legs, e.g. thighs, knees, ankles, feet (bandages, e.g. orthosis-like supports or braces [A61F 5/0102](#) ; for strengthening joints [A61F 13/06](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Bandages, e.g. orthosis-like supports or braces	<a href="#">A61F 5/0102</a>
Bandages or dressings for strengthening joints	<a href="#">A61F 13/06</a>

**A63B 71/1291**

{for the neck (as a part of a helmet [A42B](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Protectors for the neck as a part of a helmet	<a href="#">A42B</a>
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**A63B 71/14**

for the hands e.g. baseball, boxing or golfing gloves (archer`s finger tabs [F41B5/16](#))

**References relevant to classification in this group**

*This subgroup does not cover:*

Archer`s finger tabs	<a href="#">F41B5/16</a>
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**A63B 71/141**

{in the form of gloves (gloves in general [A41D 19/00](#))}

**References relevant to classification in this group**

*This subgroup does not cover:*

Swimming gloves	<a href="#">A63B 31/02</a>
Gloves in general	<a href="#">A41D 19/00</a>
Brush bodies shaped as gloves	<a href="#">A46B 5/04</a>
Gloves for washing the body	<a href="#">A47K 7/02</a>

Gloves for domestic washing or cleaning	<a href="#">A47L 13/18</a>
Operating gloves	<a href="#">A61B 19/04</a>
Gloves for glove-boxes	<a href="#">B25J 1/02</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Gloves in general	<a href="#">A41D 19/00</a>
Hand protectors	<a href="#">A41D 13/081</a>

## A63B 71/143

### {Baseball or hockey gloves}

#### Definition statement

*This subgroup covers:*

also gloves for CRICKET batsmen, or LACROSSE.

## A63B 71/148

### {Gloves for bowling and other ball games}

#### Definition statement

*This subgroup covers:*

also gloves for FOOTBALL (SOCCER) goal keepers.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Football (i.e. soccer)	<a href="#">A63B 2243/0025</a>
Protective gloves with protection against crushing	<a href="#">A41D 19/01517</a>
Protective gloves including rigid elements	<a href="#">A41D 19/01588</a>
Hand protectors especially for fingers	<a href="#">A41D 13/087</a>
Protective gloves absorbing shocks or vibrations	<a href="#">A41D 19/01523</a>

### Special rules of classification within this group

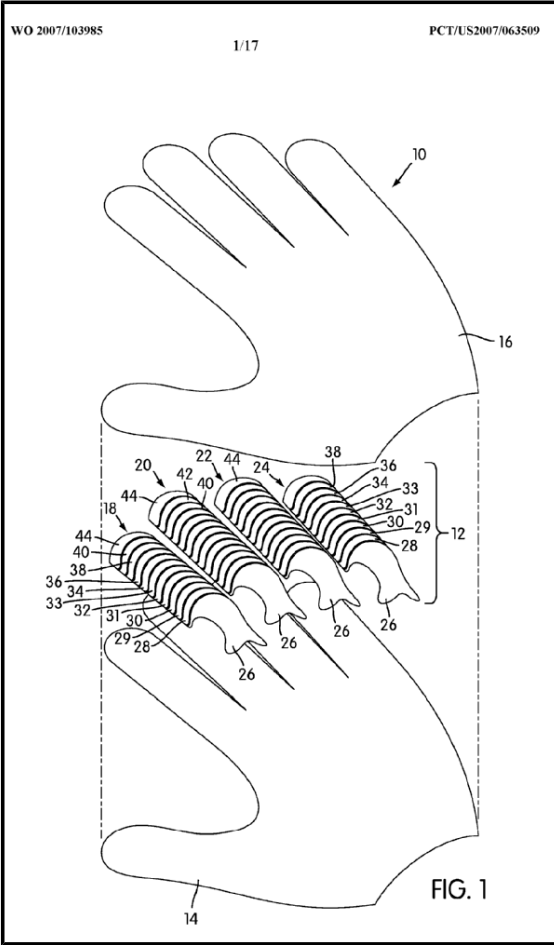
Multiple entry classification in different classes is often used, i.e. documents are classified in the applicable groups and/or subgroups of two different sub-classes: [A41D 19/00](#) (maybe also [A41D 13/08](#)) and [A63B 71/148](#).

For example:

WO 2007/103985

1/17

PCT/US2007/063509



This document (WO 2007/103985) is classified as follows (multiple entry classification in different classes):[A41D 19/01588](#) ; [A63B 71/148](#) ; [A63B 2243/0025](#)

**A63B 2207/00**

**Exercising or sporting devices provided with means enabling use in the dark**

**Relationship between large subject matter areas**

Hand tools with lighting devices [F21V 33/008](#).

**A63B 2207/02**

**Powered illuminating means**

**References relevant to classification in this group**

*This subgroup does not cover:*

In balls	<a href="#">A63B 43/06</a>
In golf club for training	<a href="#">A63B 69/3614</a>

**A63B 2208/00**

**Characteristics or parameters related to the user or player  
(not used)(measuring physical characteristics of the user  
[A63B 2230/00](#))**

**References relevant to classification in this group**

*This group does not cover:*

Measuring physical parameters of the user	<a href="#">A61M 2230/00</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Measuring physiological parameters of the user	<a href="#">A63B 2230/00</a>
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**A63B 2208/0223****Squatting****Definition statement**

*This subgroup covers:*

Sitting on the heels.

**References relevant to classification in this group**

*This subgroup does not cover:*

Squat exercises	<a href="#">A63B 2023/0411</a>
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**A63B 2208/0238**

**with stretched legs, like on a bed**

**Definition statement**

*This subgroup covers:*

Recumbent.

**A63B 2208/0285****Hanging****Definition statement**

*This subgroup covers:*

The person hanging upside-down or in an inverted position.

**A63B 2208/029****upright****Definition statement**

*This subgroup covers:*

i.e. in the normal body position for standing, with head at top and feet at bottom.

**A63B 2208/0295****on hands and feet (for push-ups [A63B 23/1236](#))****References relevant to classification in this group**

*This subgroup does not cover:*

Push-up exercises	<a href="#">A63B 23/1236</a>
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**A63B 2210/02****incorporated in chairs****References relevant to classification in this group**

*This subgroup does not cover:*

Chairs with exercising means	<a href="#">A47C 9/002</a>
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**A63B 2210/04****incorporated in beds, sofas****References relevant to classification in this group**

*This subgroup does not cover:*

Attached to beds e.g. hospital beds during revalidation	<a href="#">A63B 2021/1672</a>
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**A63B 2210/50****Size reducing arrangements for stowing or transport****References relevant to classification in this group***This subgroup does not cover:*

Foldable camping beds	<a href="#">A47C 17/70</a>
foldable beds	<a href="#">A47C 19/12</a>
Size reducing arrangements for physical therapy	<a href="#">A61H 2201/0161</a>
Rackets with easily dismountable parts	<a href="#">A63B 49/0288</a>
Accessories for stowing	<a href="#">A63B 71/0036</a>
Inflatable	<a href="#">A63B 2225/62</a>
Incorporated in furniture	<a href="#">A63B 2210/00</a>

**A63B 2210/54****Foldable elastic frame members automatically resuming their expanded state when released****References relevant to classification in this group***This subgroup does not cover:*

Flexible frames for tents	<a href="#">E04H 15/40</a>
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**A63B 2213/004****with electrotherapy****References relevant to classification in this group***This subgroup does not cover:*

Devices using electric currents for producing or ending sleep or stupor	<a href="#">A61M 2021/0072</a>
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**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Electrotherapy	<a href="#">A61N 1/00</a>
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**A63B 2213/005**

with respiratory gas delivering means, e.g. O<sub>2</sub>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Medical treatment rooms	<a href="#">A61G 10/00</a>
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**A63B 2213/006**

under hypoxia conditions, i.e. oxygen supply subnormal

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Medical treatment rooms	<a href="#">A61G 10/00</a>
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**A63B 2220/00**

Measuring of physical parameters relating to sporting activity

**Definition statement**

*This group covers:*

The purpose of the measurement should take precedence over the measuring method or device.

**Relationship between large subject matter areas**

Measuring of sport goods [G01B 5/0023](#).

**References relevant to classification in this group**

*This group does not cover:*

Measuring torque, work, mechanical power, or mechanical efficiency in general	<a href="#">G01L 3/00</a>
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**A63B 2220/10**

**Positions**

**Special rules of classification within this group**

Not used and not for distance or speed or acceleration determination.

**A63B 2220/16****Angular positions****Definition statement**

*This subgroup covers:*

Also for indicating the direction of e.g. a flight path of a ball, the orientation of a player etc.

**A63B 2220/17**

**Counting, e.g. counting periodical movements, revolutions or cycles, or including further data processing to determine distances or speed**

**References relevant to classification in this group**

*This subgroup does not cover:*

Frequency	<a href="#">A63B 2220/64</a>
Cycle computers	<a href="#">G01C 22/002</a>

**A63B 2220/34****Angular speed****References relevant to classification in this group**

*This subgroup does not cover:*

Cycle computers	<a href="#">G01C 22/002</a>
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**A63B 2220/40****Acceleration****Special rules of classification within this group**

Not for force or torque measurement.

**A63B 2220/50****Force related parameters****References relevant to classification in this group**

*This subgroup does not cover:*

Measuring torque, work, mechanical power, or mechanical efficiency in general	<a href="#">G01L 3/00</a>
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**Special rules of classification within this group**

This code not used; use subgroups.

**A63B 2220/54****Torque****Definition statement**

*This subgroup covers:*

Also for deformation, flexion, deflection, torsion.

**Relationship between large subject matter areas**

Measuring torque, mechanical power or mechanical efficiency in general  
[G01L 3/00](#).

**A63B 2220/56****Pressure****References relevant to classification in this group**

*This subgroup does not cover:*

Atmospheric pressure	<a href="#">A63B 2220/74</a>
Measuring pressure on grips	<a href="#">A63B 2059/0022</a>

**A63B 2220/58**

**Measurement of force related parameters by electric or magnetic means**

**Relationship between large subject matter areas**

Measuring torque, Mechanical power or mechanical efficiency in general  
[G01L 3/00](#).

**A63B 2220/62**

**Time or time measurement used for time reference, time stamp, master time or clock signal**

**Definition statement**

*This subgroup covers:*

Used for time reference, time stamp, master time or clock signal.

**References relevant to classification in this group**

*This subgroup does not cover:*

Reaction time	<a href="#">A63B 69/0053</a>
Registering, indicating or recording the time of events or elapsed time in connection with sports or games	<a href="#">G07C 1/22</a>

**A63B 2220/64**

**Frequency, e.g. of vibration oscillation**

**References relevant to classification in this group**

*This subgroup does not cover:*

Resonance frequency related properties of bats or rackets	<a href="#">A63B 2059/0003</a>
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**A63B 2220/72**

**Temperature**

**References relevant to classification in this group**

*This subgroup does not cover:*

Temperature of the user	<a href="#">A63B 2230/50</a>
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**A63B 2220/80****Special sensors, transducers or devices therefor****Definition statement**

*This subgroup covers:*

Only special sensors for, or specific aspects related to a sport implement.

**A63B 2220/801****Contact switches****Definition statement**

*This subgroup covers:*

Examples: shock sensors, vibration detectors for detecting an event (where the magnitude of shock or vibration is not important).

**References relevant to classification in this group**

*This subgroup does not cover:*

Counting	<a href="#">A63B 2220/17</a>
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**A63B 2220/803****Motion sensors****Definition statement**

*This subgroup covers:*

Motion sensors in general where the motion parameter is not specifically indicated, i.e. any movement.

**A63B 2220/833****Sensors arranged on the exercise apparatus or sports implement****References relevant to classification in this group**

*This subgroup does not cover:*

Cycle computers	<a href="#">G01C 22/002</a>
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**A63B 2225/00****Other characteristics of sports equipment****Definition statement**

*This group covers:*

Sports OR exercising equipment.

**A63B 2225/01****Special aerodynamic features, e.g. airfoil shapes, wings or air passages****References relevant to classification in this group**

*This subgroup does not cover:*

Bats, rackets or the like having special surfaces reducing air resistance; details of the surface of the bats, rackets or the like, e.g. dimpled	<a href="#">A63B 2059/0011</a>
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**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Bats with through holes	<a href="#">A63B 59/0088</a>
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**A63B 2225/02****Testing, calibrating or measuring of equipment****References relevant to classification in this group**

*This subgroup does not cover:*

Measuring or verifying ball characteristics	<a href="#">A63B 47/008</a>
Measuring or verifying club, bat or racket characteristics	<a href="#">A63B 59/0074</a>

**A63B 2225/05****with suction cups****References relevant to classification in this group**

*This subgroup does not cover:*

Suction cups used as force resisting device	<a href="#">A63B 2021/0086</a>
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**A63B 2225/093****Height****Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Telescopic systems with locking in discrete positions	<a href="#">F16B 7/105</a>
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**A63B 2225/10****Multi-station exercising machines****Definition statement**

*This subgroup covers:*

e.g. radially extending from a central linking element.

**References relevant to classification in this group**

*This subgroup does not cover:*

Compound apparatus for fitness training: [A63B 23/03558](#) takes precedence

**A63B 2225/15****with identification means that can be read by electronic means****Definition statement**

*This subgroup covers:*

e.g. a smart card.

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Identification of a person	<a href="#">A61B 5/117</a>
Record carriers for use with machines	<a href="#">G06K 19/00</a>
Individual entry or exit registers	<a href="#">G07C 9/00</a>
Cards for payment	<a href="#">G07F 7/00</a>

**A63B 2225/20**

with means for remote communication, e.g. internet or the like

**Definition statement**

*This subgroup covers:*  
networking.

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

with wireless data transmission	<a href="#">A63B 2225/50</a>
PDA	<a href="#">G06F 1/1626</a>
digital computing special functions	<a href="#">G06F 17/00</a>
advertising	<a href="#">G09F 23/00</a>

**A63B 2225/605****Floating****References relevant to classification in this group**

*This subgroup does not cover:*

Inflatable apparatus	<a href="#">A63B 2225/62</a>
Exercising apparatus comprising buoyant volumes to be submerged	<a href="#">A63B 21/0606</a>

**A63B 2225/62****Inflatable****Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Fluid filled, e.g. air-filled body protectors	<a href="#">A63B 71/081</a>
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**A63B 2230/00****Measuring physiological parameters of the user****References relevant to classification in this group***This group does not cover:*

Measuring correct grip size	<a href="#">A63B 2059/0018</a>
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**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Game controllers involving biosensors worn by the player, e.g. for measuring heart beat, limb activity	<a href="#">A63F 2300/1012</a>
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**A63B 2230/30****blood pressure ([A63B 2230/04](#) takes precedence)****References relevant to classification in this group***This subgroup does not cover:*

Heartbeat characteristics, e.g. E.G.C., blood pressure modulations	<a href="#">A63B 2230/04</a>
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**A63B 2230/50****temperature****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Measuring temperature	<a href="#">A63B 2220/72</a>
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**A63B 2230/75****calorie expenditure****Definition statement***This subgroup covers:*

This code is used even where the calorie consumption is calculated from other measurements, rather than directly measured.

Also indicated as MET (Metabolic Equivalent of Task).

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Computing aids in which the computing members form at least part of the displayed result and manipulated directly by hand, e.g. abacus, pocket adding device	<a href="#">G06C 1/00</a>
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## A63B 2243/0025

Football (American football [A63B 2243/007](#))

### References relevant to classification in this group

*This subgroup does not cover:*

American football	<a href="#">A63B 2243/007</a>
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### Special rules of classification within this group

This class is intended for the game of soccer

## A63B 2244/10

Combat sports (Rugby, American football [A63B 2243/0066](#))

### References relevant to classification in this group

*This subgroup does not cover:*

Rugby, American football	<a href="#">A63B 2243/007</a>
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## A63B 2244/102

Boxing

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Boxing rings	<a href="#">A63C 19/005</a>
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**A63B 2244/22****Dancing****Definition statement**

*This subgroup covers:*

All types of dancing, including ballet.

**A63B 2244/225****Pole dancing****Definition statement**

*This subgroup covers:*

Rigid poles and also swaying rods.

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Supports for anchoring force resistors between horizontal surfaces, e.g. floor and ceiling	<a href="#">A63B 21/1681</a>
Climbing poles	<a href="#">A63B 9/00</a>